ORDER NO. VSD9812M614

Service Manual

Sec. 1 General Description

Sec. 2 Adjustment Procedures

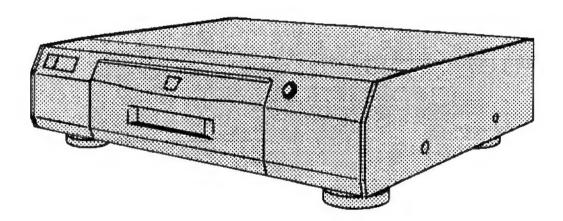
Sec.3 Block / Schematic /Circuit Board Diagrams

Sec. 4 Exploded Views & Replacement Parts Lists

Panasonic Mini DY DY PAL

Digital Cassette Video Recorder

AG-DV2700 5



Weight and dimensions shown are approximate. Specifications are subject to change without notice.

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△ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

AG-DV2700E

Power Source: 220-240 V AC 50/60 Hz

Power Consumption: 36 watts

Power Consumption When in Standby Mode: Approx. 10 watts

Video Recording System: 2 rotary heads, Digital Component

Audio Recording System: PCM Digital Recording; 16 bit (48 kHz/2ch), 12 bit (32 kHz/4ch)

Video Heads: 2 heads

Tape Speed: SP; 18.831mm/sec. LP; 12.568 mm/sec.

Tape Format: DV/ Mini DV tape

Record/Playback Time: SP; 120 min. LP; 180 min. with DV120 SP; 60 min. LP; 90 min. with DVM60

FF/REW Time: approx. 70 sec. with DV120

approx. 50 sec. with DVM60

VIDEO

Output Level:

Television System: CCIR; 625 lines, 50 fields, PAL colour signal

Modulation System: Digital Component recording

Input Level: AV1/AV2; 1.0 Vp-p, 75 ohm, terminated VIDEO IN (AV3) (PHONO); 1.0 Vp-p, 75 ohm, terminated

S-VIDEO IN (AV3); 1.0 Vp-p, 75 ohm, terminated AV1/AV2; 1.0 Vp-p, 75 ohm, terminated VIDEO OUT (AV3) (PHONO); 1.0 Vp-p, 75 ohm, terminated VIDEO OUT (AV3) (PHONO); 1.0 Vp-p, 75 ohm, terminated

S-VIDEO OUT (AV3) (PHONO); 7.0 Vp-p, 75 ohm, terminated RF Modulated; UHF channel (21-69), 75 ohm

AUDIO

Input Levei: AV1/AV2; —6 dBV, more than 10 kohm

AUDIO IN (AV3) (PHONO); -6 dBV, more than 10 kohm

MIC(M3); -70 dBV,

Output Level: AV1/AV2; —6 dBV, less than 1 kohm

AUDIO OUT (PHONO); —6 dBV, less than 1 kohm HEAD PHONES; —30 dBV, 80hm

Audio Track: 16 bit (48 kHz/2ch); 1 track, 2 channels

12 bit (32 kHz/4ch); 2 tracks, 4 channels

Digital Still Picture: Digital Still Picture Output, Control Signal Input/Output (Transfer rate; max. 115 kbps)

Digital Interface:DV Terminal (i.LINK, 4-pin)Video Horizontal Resolution:Colour; more than 500 linesAudio Frequency Response:20 Hz-20 kHz (16 bit)

20 Hz – 14.5 kHz (12 bit)

Operating Temperature: 5°C-40°C

Operating Humidity: 35%-80% Weight: 7 kg

Dimensions: 445 (W)×123 (H)×373.5 (D) mm

Standard Accessories: 1 pc. RF Coaxial Cable 1 pc. Remote Controller

4 pcs. "R6" size batteries 3 pcs. AC Mains Leads

1 pc. DV Cable 1 pc. Edit Cable 1 pc. S-Video Cable 1 pc. AV Cables

1 pc. Editing Controller Cable 1 pc. Digital Video Head Cleaner

2 pcs. 21-pin Phono Transformer Adaptors (Input/Output)

Attached Parts: 1 pc. Modular Cap

Weight and dimensions shown are approximate. Specifications are subject to change without notice.

AG-DV2700B

Power Source: 220-240 V AC 50/60 Hz

. The sign of the control of the con

Power Consumption: 36 watts

Power Consumption When in Standby Mode: Approx. 10 watts

Video Recording System:

2 rotary heads, Digital Component

Audio Recording System:

PCM Digital Recording; 16 bit (48 kHz/2ch), 12 bit (32 kHz/4ch)

Video Heads:

2 heads

Tape Speed:

SP; 18.831mm/sec. LP; 12.568 mm/sec.

Tape Format:

DV/ Mini DV tape

Record/Playback Time:

SP; 120 min. LP; 180 min. with DV120

SP; 60 min. LP; 90 min. with DVM60

FF/REW Time:

approx. 70 sec. with DV120 approx. 50 sec. with DVM60

VIDEO

Television System:

CCIR; 625 lines, 50 fields, PAL colour signal

Modulation System:

Digital Compornent recording

Input Level:

AV1/AV2: 1.0 Vp-p, 75 ohm, terminated

VIDEO IN (AV3) (PHONO); 1.0 Vp-p, 75 ohm, terminated S-VIDEO IN (AV3); 1.0 Vp-p, 75 ohm, terminated

Output Level: AV1/AV2;

1.0 Vp-p, 75 ohm, terminated VIDEO OUT (AV3) (PHONO); 1.0 Vp-p, 75 ohm, terminated S-VIDEO OUT (AV3); 1.0 Vp-p. 75 ohm, terminated 75 ohm

RF Modulated: UHF channel (21-68),

AUDIO

input Level: AV1/AV2; -6 dBV, more than 10 kohm -6 dBV, more than 10 kohm

8ohm

AUDIO IN (AV3) (PHONO); MIC(M3);

Output Level:

-6 dBV, AV1/AV2: less than 1 kohm AUDIO OUT (PHONO); -6 dBV, less than 1 kohm

-70 dBV,

HEAD PHONES: -30 dBV.

16 bit (48 kHz/2ch); 12 bit (32 kHz/4ch);

1 track, 2 channels 2 tracks, 4 channels

Digital Still Picture:

Audio Track:

Digital Still Picture Output, Control Signal Input/Output (Transfer rate; max. 115 kbps)

Digital Interface: Video Horizontal Resolution: Audio Frequency Response:

DV Terminal (i.LINK, 4-pin) Colour; more than 500 lines 20 Hz-20 kHz (16 bit)

20 Hz-14.5 kHz (12 bit)

Operating Temperature:

5°C-40°C 35%-80%

Operating Humidity: Weight:

7 kg

Dimensions:

445 (W)×123 (H)×373.5 (D) mm 1 pc. RF Coaxial Cable

Standard Accessories:

1 pc. Remote Controller 4 pcs. "R6" size batteries 1 pc. AC Mains Lead 1 pc. DV Cable 1 pc. Edit Cable 1 pc. S-Video Cable

1 pc. Editing Controller Cable 1 pc. Digital Video Head Cleaner

2 pcs. 21-pin Phono Transformer Adaptors (Input/Output)

1 pc. Clamp Filter

1 pc. AV Cables

Attached Parts:

1 pc. Modular Cap

Weight and dimensions shown are approximate. Specifications are subject to change without notice.

INTRODUCTION

This Service Manual contains technical information such as General Description, Adjustment Procedures, Block Diagrams / Schematic Diagrams / C.B.A. Layout and Exploded Views / Parts Lists which service personnel to understand and service the Panasonic Digital Video Cassette Recorder model AG-DV2700E/B.

Panasonic

Note: Some parts of this service manual have been made based on NV-DV10000. The portion or section mentioned NV-DV10000B is equivalent to AG-DV2700B and NV-DV10000EC is AG-DV2700E.

CONTENTS

SECTION1 GENERAL DESCRIPTION 1.SERVICE INFORMATION 1 1-1.CHANNEL MEMORY INITIALIZATION 1 2.SERVICE POSITION 1	1-1
1.SERVICE INFORMATION · · · · · · · · · · · · · · · · · · ·	1-1
1-1.CHANNEL MEMORY INITIALIZATION · · · · · · · · · · · · · · · · · · ·	1-1
2.SERVICE POSITION 1	1-2
- V-1 - EXTENDED NO (CARLES (1714) (1714) (1714) (1714) (1714) (1714) (1714) (1714) (1714) (1714) (1714) (1714)	1-2
2-2.SERVICE POSITION	1-2
2-3.PREPARATION FOR FLECTRICAL ADJUSTMENT · · · · · · · · · · · · · · · · · · ·	1-3
3.SERVICE INFORMATION DISPLAY····································	1-9
3.SERVICE INFORMATION DISPLAY 13-1.SET SERVICE MODE 15-1.SET SERVI	1-9
3-2 SELE-TEST MODE	1_11
4.REMOVAL OF THE CASSETTE TAPE	1-12
4-1.BATTERY OPERATION	1-12
4-2.HAND OPERATION	1-12
5.OPERATING INSTRUCTIONS	1-14
4-1.BATTERY OPERATION 4-2.HAND OPERATION 5.OPERATING INSTRUCTIONS SECTION2 ADJUSTMENT PROCEDURES	2-1
1.DISASSEMBLY/ASSEMBLY PROCEDURES FOR CABINET PARTS, C.B.A. AND MECHANISM UNIT · · · · · 2	2-1
1-1.DISASSEMBLE FLOW CHART FOR CABINET PARTS, C.B.A. AND MECHANISM UNIT	2-1
1-2 DISASSEMBLY/ASSEMBLY PROCEDURES/FOR CABINET PARTS OF A AND MECHANISM UNIT) - 2	2-2
2.DISASSEMBLY/ASSEMBLY PROCEDURES FOR MECHANISM	2-4
2.DISASSEMBLY/ASSEMBLY PROCEDURES FOR MECHANISM	2-4
2-2.DISASSEMBLY/ASSEMBLY PROCEDURES(FOR MECHANICAL PARTS)	2-5
1.MECHANISM CONNECTION C.B.A.	2-5
1.MECHANISM CONNECTION C.B.A. 2.TRAY UNIT	2-6
3 MECHANICAL PARTS	2-8
3.MECHANICAL PARTS	2-18
4-1 NAME OF TAPE TRANSPORTATION	2-18
4-2.CLEANING PROCEDURES	2-18
A 2 DEEL CEECET AND TENTION ADM AD HISTMENT	7 19
4-4.T4,S4 AND S5 POSTHEIGHT PRE-ADJUSTMENT 4-5.TAPE PASS ADJUSTMENT PROCEDURES 5.ELECTRICAL ADJUSTMENT 1.SERVO CIRCUIT	2-19
4-5 TAPE PASS ADJUSTMENT PROCEDURES	2-19
5 FLECTRICAL ADJUSTMENT	2-23
1 SERVO CIRCUIT	2-23
1-1.T AND S REEL OFFSET ADJUSTMENT	2-23
1-2.TENTION ARM OFFSET ADJUSTMENT	2-23
1-3.TENTION ARM NEUTRAL ADJUSTMENT · · · · · · · · · · · · · · · · · · ·	2-23
1-4.TENTION ARM PLAY VOLTAGE ADJUSTMENT	2-24
1-5 COMFIRMATION OF REV POSITION OF THE TENTION ARM	2-24
1-6.TENTION REGULATOR SPRING ADJUSTMENT	2-24
1-7 COMEIRMATION OF REVIENTION	2-24
1-8 SUPPLY AND TAKELIP PHOTO SENSOR SENSITIVITY ADJUSTMENT	シークス
2 VIDEO CIRCUIT	2-26
1-8.SUPPLY AND TAKE-UP PHOTO SENSOR SENSITIVITY ADJUSTMENT 2.VIDEO CIRCUIT 2-1.PHASE DIFFERENCE OF Y/C SEPA. V BLANKING PULSE ADJUSTMENT	2-26
2-2.PHASE DIFFERENCE OF Y/C SEPA. H BLANKING PULSE ADJUSTMENT	2-20
2-3.PAL ENCODER FREE RUN FREQUENCY ADJUSTMENT	5°40 3 00
2-4.EDIT OSD COLOUR BURST CLOCK FREQUENCY ADJUSTMENT	2-20 2-26
2-4.EDIT OSD COLOUR BURST GLOCK FREQUENCY ADJUSTMENT	2-20
2-6.PHASE DIFFERENCE OF COLOUR CTL BURST GATE PULSE ADJUSTMENT	2-20 0-00
2-6.PHASE DIFFERENCE OF COLOUR CIL BURST GATE PULSE ADJUSTMENT	

A MUDIC CIDCUIT	
3.AUDIO CIRCUIT	2-26
3.AUDIO CIRCUIT 3-1.LEVEL METER ADJUSTMENT 6.SPECIAL FIXTURES & TOOLS SECTION3 BLOCK/SCHEMATIC/CIRCUIT BOARD DIAGRAMS	2-26
6.SPECIAL FIXTURES & TOOLS · · · · · · · · · · · · · · · · · · ·	2-27
SECTIONS BLOCK/SCHEMATIC/CIDCUIT BOADD DIAGRAMS	0.4
DECORPORE DECORPOREMATIO/OROGIT BOARD DIAGRAMS	3-1
3-1.ABBREVIATIONS · · · · · · · · · · · · · · · · · · ·	3-1
3-2.OVERALL BLOCK DIAGRAM · · · · · · · · · · · · · · · · · · ·	3-7
3-3.SYSTEM CONTROL & SERVO BLOCK DIAGRAM · · · · · · · · · · · · · · · · · · ·	3-9
3-4.AUDIO BLOCK DIAGRAM · · · · · · · · · · · · · · · · · · ·	9-14
3-5 INPUT / OUTPUT BLOCK DIAGRAM	9 17
3-5.INPUT / OUTPUT BLOCK DIAGRAM 3-6.VIDEO BLOCK DIAGRAM	3-17
3-6.VIDEO BLOGR DIAGRAM	3-19
3-7.SOLENOID BLOCK DIAGRAM · · · · · · · · · · · · · · · · · · ·	3-21
3-8 POWER SUPPLY SCHEMATIC DIAGRAM · · · · · · · · · · · · · · · · · · ·	3-23
3-9.LOADING SECTION IN MECHANISM DRIVE SCHEMATIC DIAGRAM · · · · · · · · · · · · · · · · · · ·	3-25
3-10.MOTOR DRIVE SCHEMATIC DIAGRAM	3-28
3-11.DRIVE SECTION IN MECHANISM DRIVE SCHEMATIC DIAGRAM	
3-12.SOLENOID SECTION INMECHANISM DRIVE SCHEMATIC DIAGRAM	0.00
3-12. SOLENOID SECTION INMECHANISM DRIVE SCHEMATIC DIAGRAM	3-33
3-13. POWER SECTION IN MAIN SCHEMATIC DIAGRAM	
3-14.EDIT/SYSTEM CONTROL & SERVO SECTION IN MAIN, 5P JACK SCHEMATIC DIAGRAMS	3-37
3-15.AUDIO SECTION IN MAIN SCHEMATIC DIAGRAM · · · · · · · · · · · · · · · · · · ·	3-47
3-16.RF SECTION IN MAIN SCHEMATIC DIAGRAM	3-51
3-17 ANALOG Y/C SCHEMATIC DIAGRAM	9-63
3-18.HEAD AMP SCHEMATIC DIAGRAM 3-19.FRONT (L) SCHEMATIC DIAGRAM 3-20.FRONT (R) SCHEMATIC DIAGRAM	3 60
2 10 EDONT // VOLEMATIC DIAGRAM	0-00
3-18-FRONT (L) SCHEMATIC DIAGRAM	3-61
3-20.FRONT (R) SCHEMATIC DIAGRAM	3-62
3-21.LSI/SYSTEM CONTROL & SERVO SECTION IN DIGITAL SCHEMATIC DIAGRM	3-63
3-22.VIDEO 1 SECTION IN DIGITAL SCHEMATIC DIAGRAM · · · · · · · · · · · · · · · · · · ·	3-75
3-23.VIDEO 2 SECTION IN DIGITAL SCHEMATIC DIAGRAM · · · · · · · · · · · · · · · · · · ·	3-79
3-24 EDITING CONTROLLER SCHEMATIC DIAGRAM	206
3-25.IR, FRONT LED SCHEMATIC DIAGRAMS	2 00
3-26.TIMER, MODULAR SCHEMATIC DIAGRAMS	3-00
3-20. HMER, MODULAR SCHEMATIC DIAGRAMS	3-87
3-27.AUDIO SCHEMATIC DIAGRAM ······	3-89
3-28.NICAM DECODER SCHEMATIC DIAGRAM · · · · · · · · · · · · · · · · · · ·	3-92
3-29.INPUT/OUTPUT, REAR JACK SCHEMATIC DIAGRAMS	3-93
3-30.TV DEMODULATOR SCHEMATIC DIAGRAM	3-96
3-31.POWER SUPPLY C.B.A.	3-97
3-32.REAR JACK C.B.A	2.07
3 22 N IAON O.B.A.	3-97
3-33.DV JACK C.B.A	3-98
3-34.MAIN C.B.A.	3-99
3-35.FRONT (L) C.B.A	3-101
3-36.FRONT (R) C.B.A	3-101
3-37.HEAD AMP C.B.A	3-102
3-38.ANALOG Y/C C.B.A	3-103
3-39.DIGITAL C.B.A	2 107
3-40.MOTOR DRIVE C.B.A	0-107
3-41.MODULAR C.B.A	3-112
3-42.IR C.B.A. · · · · · · · · · · · · · · · · · ·	3-112
3-43.FRONT LED C.B.A	3-112
3-42.IR C.B.A. 3-43.FRONT LED C.B.A. 3-44.5P JACK C.B.A. 3-45.EDITING CONTROLLER C.B.A.	3-112
3-45.EDITING CONTROLLER C.B.A.	3-113
3-46.TIMER C.B.A. 3-47.MECHANISM DRIVE C.B.A.	3-113
9 47 MECHANICAL PRIVE O B A	0-110
5-47 WECHANIOM DRIVE C.B.A.	3-115
3-48.AUDIO C.B.A	3-119
3-49.INPUT / OUTPUT C.B.A. · · · · · · · · · · · · · · · · · ·	3-121
3-50.NICAM DECODER C.B.A	3-122
3-51.TV DEMODULATOR PACK C.B.A.	3-122
SECTION4 EXPLODED VIEWS & REPLACEMENT PARTS LISTS	
4-1.EXPLODED VIEW & MECHANICAL REPLACEMENT PARTS LIST	4-1
1.CASING PARTS SECTION · · · · · · · · · · · · · · · · · · ·	4-1
2.CHASSIS PARTS SECTION (1)······	4-3
3.CHASSIS PARTS SECTION (2)	4-4
4.SUB CHASSIS PARTS SECTION · · · · · · · · · · · · · · · · · · ·	4-6
5.CASSETTE TRAY PARTS SECTION	4-7
6.PACKING PARTS SSECTION	4-0
U.FAUNING FAITS SSECTION	4-8
4-2.ELECTRICAL REPLACEMENT PARTS LIST	4-10

Caution for AC Mains Lead (AG-DV2700B)

IMPORTANT

Your attention is drawn to the fact that the recording of pre-recorded tapes or discs or other published or broadcast material may infringe copyright laws.

WARNING

TO REDUCE THE RISK OF FIRE OF SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

As this equipment gets hot during use, operate it in well ventilated place; do not install this equipment in a confied space such as a book case or similar unit.

FOR YOUR SAFETY

DO NOT REMOVE OUTER COVER.

To prevent electric shock, do not remove cover. There are no user serviceable parts inside. Refer all servicing to qualified service personnel.

For your safety please read the following text carefully

This appliance is supplied with a moulded three pin mains plug for your safety and convenience.

A 5 amp fuse is fitted in this plug.

Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 5 amps and that it is approved by ASTA or BSI to BS 1362.

Check for the ASTA mark or the BSI mark on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.

If you lose the fuse cover the plug must not be used until a replacement cover is obtained.

A replacement fuse cover can be purchased from your local Panasonic Dealer.

IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OF SAFELY.

THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13 AMP SOCKET.

If a new plug is to be fitted please observe the wiring code as shown below.

If in any doubt please consult a qualified electrician,

IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:

Blue: Neutral Brown: Live

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured BLUE must be connected to the terminal in the plug which is marked with the letter N or coloured BLACK.

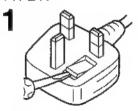
The wire which is coloured BROWN must be connected to the terminal in the plug which is marked with the letter L or coloured RED.

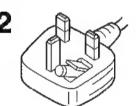
Under no circumstance should either of these wires be connected to the earth terminal of the three pin plug, marked with the letter E or the Earth Symbol $\frac{1}{-}$

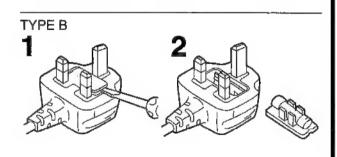
How to replace the Fuse

- There are two types of the AC Mains Lead assembly:
 A and B as shown below.
- 1 Open the fuse compartment with a screwdriver.
- 2 Replace the fuse and fuse cover.

TYPE A







This VCR has an On Screen Display (OSD) function which allows for timer recording and various other settings. The main operation buttons used in the function are listed below. These buttons are on the remote controller.

MENU: To make the On Screen Display Main menu appear on the TV screen.

To return to the previous screen.

EXIT: To exit the menu completely.

OK: To confirm the selection, or to store.

▲▼◀▶: To make selections from the On Screen Display.
These buttons can also be used for the playback, stop, rewind and fast forward mode.

SECTION 1 GENERAL DESCRIPTIONS

1. SERVICE INFORMATION

1-1. Channel Memory IC Initialization

Memory IC30012 has to be initialized due to the setting value changes when replacing it.

Note:

- a) When replacing the memory IC30012, the OSD microprocessor IC30013 should be replaced together.
- b) It has to be performed before tuning.

- c) Meaning of "MEMORY IC INITIALIZATION" is to make dependency in different models and to distinguish between different features.
- d) It does not need to perform when replacing the System Control IC6001.

CHANNEL MEMORY IC INITIALIZATION

PROCEDURES	FIP Display	Monitor Screen
Simultaneously press the FF and EJECT buttons for 3 seconds.	0 00 00	None
Keep to press the FF button and press the Eject button twice.	2 00 00	None
Press the EJECT key for 3 seconds. (Eject operation is performed at this time.)	<i>2 00 00</i>	None
Press the CH UP key twice. (The 3rd degit changes 0→1→2 by pressing the CH up key.)	e 0e oo	None
Press the POWER key.	2 02:00	Service Screen (See Fig. S1)
	(Colon starts flashing)	
Press the REC key on the Remote Controller Unit.	a 0a.oo	Service Screen (See Fig. S1)
Set the Model Code and Option Code by pressing ▶ ◀ ▲♥ keys on the Remote Controller Unit. (See Fig. S2)	2 02:00	Service Screen (See Fig. S1)
To release Service Mode, press POWER key and then press the FF then press the EJECT button more than 6 times until the normal indication on the FIP.	10:00	None

Service		
	Version	
OSD	VCCZ1.35	0
MAIN	V1CJ0.34	0
Pos for time ref.	NONE	
Last error code:	00	
Model Code	104 (68h)	
Option Code	160 (A0h)	
Clock adjust	+ 0	
VPS/PDC default	AUTO (depend	(k

Fig. S1 Service Screen

_	17
1 01	ition:

Since the "Clock adjust" and "VPS/PDC default" are future expansion, do not change the initial setting.

If changing the "Clock adjust" accidentally, set the code

"+0" by pressing ▲▼ keys on the Remote Controller Unit.

If changing the "VPS/PDC default" accidentally, set the code mentioned "(default)" by pressing ▲▼ keys on the Remote Controller Unit.

Model	Model Code	Option Code
AG-DV2700E	164	136
AG-DV2700B	168	160

Fig. S2 Model Code & Option Code

2. Service Position

2-1. Extension Cables

Use the following Extension Cables when checking individual circuit boards.

No.	Part No.	Part Name	C	onnection	Q'ty	Remarks
1	VFK1405	Audio Connection C.B.A.	Main C.B.A.	- Audio C.B.A.	1	
2	VFK1406	Digital Connection C.B.A.	Main C.B.A	- AV Digital C.B.A.	1	
3	VFK1407P	Y/C Connection C.B.A.	Main C.B.A.	- Analog Y/C C.B.A.	1	
4	VFK1408	Motor Connection C.B.A.	Main C.B.A.	- Motor Drive C.B.A.	1	
5	VFK0849	20P Flat Cable	Digital FP3201	- Head Amp FP5002	1	
6	VFK1445	26P Flat Cable	Main P6703	- Mech. P6504	1	
7	VFK1446	32P Flat Cable	Main P6701	- Mech. P6505	1	
8	VFK1436	14P Extension Cable	Motor Power P2502	- Mech. P2705	2	
9	VFK1448	12P Extension Cable	Main P6707	- Power P1102	1	

Fig. 2-1 Extension Cable

2-2. Service Position

a. Service Position for AV Digital, Analog Y/C, Audio or Motor Power C.B.A.

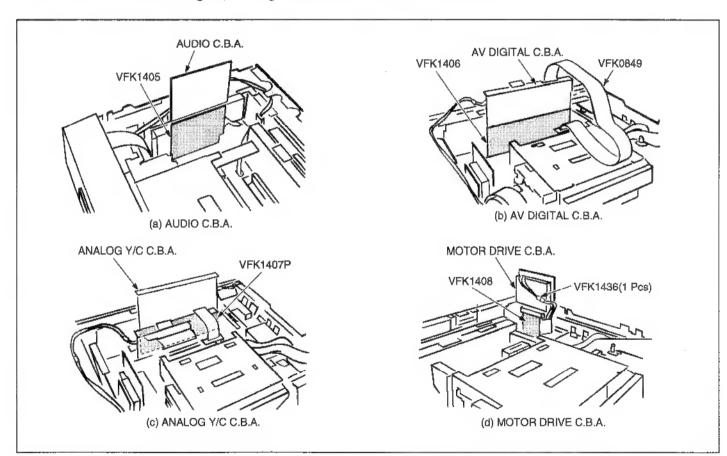


Fig. 2-2 Service Position for AV Digital, Analog Y/C, Audio and Motor Drive C.B.A.

b. Service Position for Mechanism Drive C.B.A.

When checking the Mechanism Drive C.B.A., remove the Mechanism unit with Mechanism Drive C.B.A. from the frame. Then, connect the extension cables as shown in Fig. 2-3 and turn over the Mechanism unit.

c. Service Position for Main C.B.A.

When checking the Main C.B.A., take out the Mechanism unit with Mechanism Drive C.B.A. and Main C.B.A. from the frame. Then, connect extension cables as shown in Fig. 2-4 and turn over the Main C.B.A..

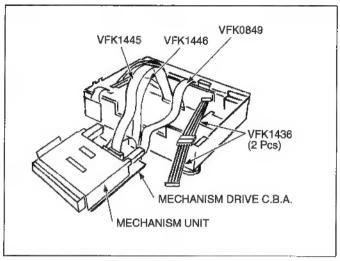


Fig. 2-3 Service Position for Mechanism Drive C.B.A.

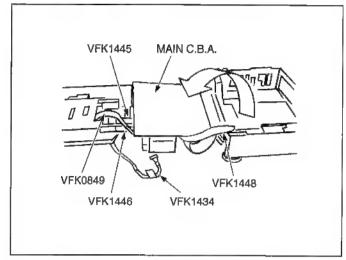


Fig. 2-4 Service Position for Main C.B.A.

2-3, Electrical Adjustment

1. PREPARATION

To perform electrical adjustments completely, the following measuring equipment and system should be prepared.

1-1. Measuring Equipment

Equipment	Specification		
Dual-Trace Oscilloscope	Voltage Range	0.001 to 50V/Div.	
	Frequency Range	DC to 100MHz	
	Probes	10:1, 1:1	
DVM (Digital Volt Meter)	Voltage Range	0.001 to 50V	
Frequency Counter	Frequency Range	0 to 150MHz	

Fig. 2-5

1-2. Special Fixtures and Tools

Please refer to the special jigs and tools list at the end of the electrical adjustment procedure section.

1-3. PC EVR System

Menu	Adjustment	Nasality of	Menu	Adjustment	Nasality of
		PC EVR			PC EVR
		System			System
SERVO	1. Reel Offset Adjustment	No	VIDEO	4. Video Y-in level adjustment	Necessary
ADJUSTMENT MENU	2. Tension Arm Offset Adjustment	No	ADJUSTMENT MENU	5. Video-in C level adjustment	Necessary
	3. Tension Arm neutral Adjustment	No		6. Play Y level adjustment	Necessary
	4. Tension Arm Play Level Adjustment	No		7. Play C level adjustment	Necessary
	5. Tension Arm Rev Position Confirmation	No		8. Centering adjustment	Necessary
	6. Tension Arm Spring Adjustment	No		9. Write product ID	Necessary
	7. Reverse Tension Confirmation	No	SEE MANUAL	10. Phase of Y sepa. V blanking pulse adj.	No
	8. PG Shifter Adjustment (Automatic)	Necessary		11. Phase of Y sepa. H blanking pulse adj.	No
	9. Sensitivity adjustment of tape sensors	No		12. PAL encoder free run adjustment	No
SEE MANUAL	1. E-E Y level adjustment	No		13. Edit OSD colour burst clock frequency adj.	No
VIDEO ADJUSTMENT	2. Video VCO adjustment	Necessary		14. Edit OSD dot clock adjustment	No
MENU	3. RF / BITERBI adjustment	Necessary	AUDIO ADJUSTMENT MENU	Level meter adjustment	No

Fig. 2-6

Figure 2-7 shows the overall system connection of the PC EVR System.

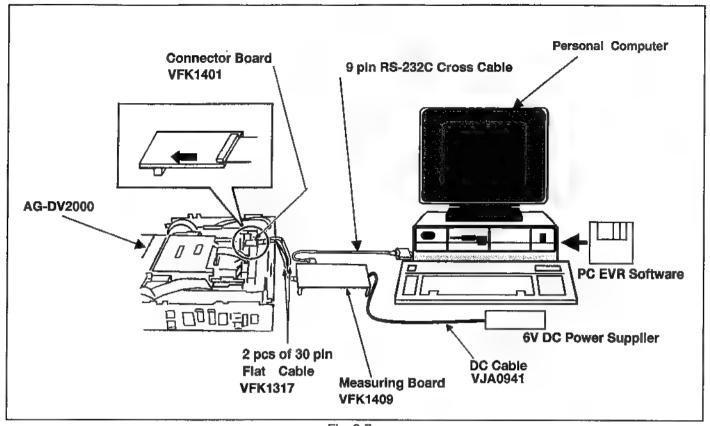
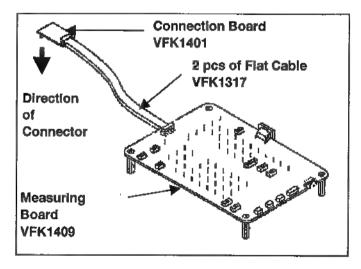


Fig. 2-7

2. PC EVR System Hook up Procedures

 Connect the 2 pcs of 30 pin flat cables between the Measuring Board and EVR Connection Board as shown below.

Make sure that the contact surface of 2 pcs. of 30 pin Flat Cables are inner side and direction of the EVR Connection Board is as shown in figure 2-8.



Flg. 2-8

 Set the Connector Board with the 30 pin Cables to the unit as shown in Figure below.
 Make sure that the direction of the Connection Board is correctly fit.

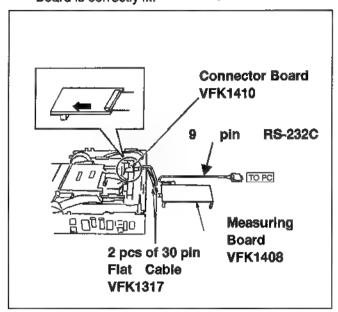


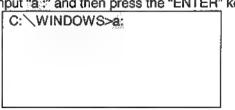
Fig. 2-9

- Connect a 9pin RS-232C cable between the Measuring Board and RS-232C connector on the Personal Computer as shown in figure 2-7.
- Connect the 4pin 6V/DC Power cable between AC adaptor or DC power supply unit..

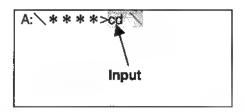
3. PC EVR SOFTWARE

3-1. BOOT UP THE SOFTWARE

- Power ON the Personal Computer. Windows 95 is set up (AUTO).
- 2. Restart the PC in Dos mode.
- Insert the EVR software floppy disk into the FD drive of the PC.
- 4. Boot up the EVR program as the following steps.
 - 1) Input "a:" and then press the "ENTER" key.



Input "cd \square" and then press the "ENTER" key.

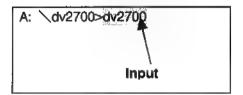


3) Input the "cd" and press the "ENTER" key.

A: >cd dv2700

Input

4) input the "dv2790" and then press the "ENTER" key.



- Wait for a few seconds so that the EVR adjustment program is started.
- For the adjustments, follow the program display.

3-2. How to Use the Main Menu

Select a Sub Menu to check, adjust the unit and etc. by pressing ↑ ↓ (UP/DOWN) Key in Main Menu. Then, press "ENTER" Key. The Sub Menu will be displayed.

Note: Menu (pages) 3 through 5 are needed for adjustment.

With using keys, also the menu can be changed.

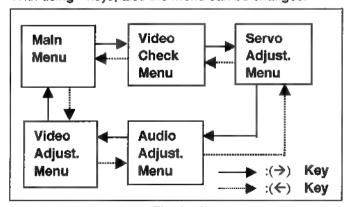
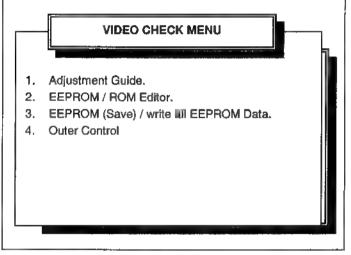


Fig. 2-10

3-3. Introduction of the Sub Menu

MAIN MENU 1. VIDEO CHECK. 2. SERVO ADJUSTMENT. 3. VIDEO ADJUSTMENT. 4. AUDIO ADJUSTMENT. 5. INFORMATION. 6. DISPLAY TYTLE SCREEN. 7. RESTART [PC EVR] SYSTEM. 8. END.

Fig. 2-11



Flg. 2-12



Fig. 2-13

1. E-E Y level adjustment 2. Video VCO adjustment t 3. RF / VITERBI adjustment 4. Video-in Y level adjustment 5. Video-In C level adjustment 6. Play Y level adjustment 7. Play C level adjustment 8. Centering adjustment 9. Write product ID

Fig. 2-14

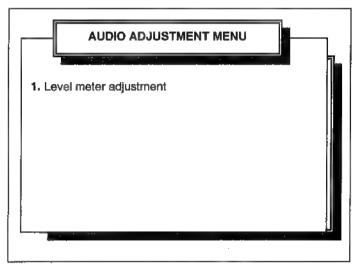


Fig. 2-15

3-4. Restoration of Connecting Error

This program checks connecting condition with the deck all the time.

When the deck power is off or reset, or cable is disconnected during servicing, restart the program by pressing "CTRL" key and "BREAK" key together.

4. EEPROM

Some of adjustment data have been stored in the EEPROM in the Digital C.B.A.

Be sure to save the EEPROM data into the personal computer before performing service and adjustment, in order to avoid any accidental data loss.

4-1. How to Save the EEPROM Data

- Select "1. VIDEO CHECK" in the Main menu, and then press the "Enter" key.
- Select "3. Read (Save) / Write All EEPROM data" in the Video check menu, and then press the "Enter" key.
- Select "2. Save all EEPROM data" in Read (Save) / Write All EEPROM data menu, and then press the "Enter" kev.
- 4) Input the File name, and then press "Enter" key. The data of EEPROM will be stored in the personal computer.

4-2. How to REWRITE Saved data

When it becomes impossible to adjust during service and adjustment, rewrite the saved data which stored in the personal computer and readjust.

- Select "1. VIDEO CHECK" in the Main menu, and then press the "Enter" key.
- Select "3. Read (Save) / Write All EEPROM data" in the Video check menu, and then press the "Enter" key.
- Select "3. Writing from stored data file" in Read (Save) / Write All EEPROM data menu, and then press the "Enter" key.
- Input the saved file name, and then press the "Enter" key.
- 5) The stored data is written in the EEPROM.

4-3. Digital C.B.A. Replacement

In case that the Digital C.B.A. is replaced, be sure to write the data to EEPROM on the Digital C.B.A. as follows.

- Select "1. VIDEO CHECK" In the Main menu, and then press the "Enter" key.
- 2. Select "3. Read (Save) / Write All EEPROM data" in
- the Video check menu, and then press the "Enter" key.
- Select "3. Writing from stored data files." In Read (Save) / Write All EEPROM data menu, and then press the "Enter" key. Input the saved file name, and then press the "Enter" key.

OR:

Select "4. Writing of fixed / average values," and then press the "Enter" key. And press the "Enter" key once again.

Then, input ID Number as follows.

4-4. How to input ID Number

When writing ID Number from the saved data which is stored in 4-1.

- Select "2. Check [Video]." In the Main menu, and then press the "Enter" key.
- Select "3. Read (Save) / Write All EEPROM data" in the Video check menu, and then press the "Enter" key.
- Select "5. Writing ID from the stored file." In Read [Save]/Write All EEPROM data menu, and then press the "Enter" key. Input the saved file name, and then press the "Enter" key.

The ID Number will be written automatically.

When the original ID information can not be read because of the destruction of EEPROM etc.:

- Select "1. VIDEO ADJUSTMENT" in Main menu, and then press "Enter" key.
- Select "9. Write products ID" in the Video adjustment menu, and then press the "Enter" key.
- ID Number will be written automatically.
 (If the deck has no ID, it may cause problem on the IEEE1394 communication and etc.

3. Service Information Display

In the Service Information Display, there are four digits divided into 3 functions, Service Mode, Service Data Number and Service Information Number.

This information aids trouble shooting by indicating the source of the malfunction. The service mode number and service data number are used by the technician during repair while the service information can be used by the consumer to diagnose malfunctions allowing the technical to provide a more accurate repair cost estimate and reduce repair time.

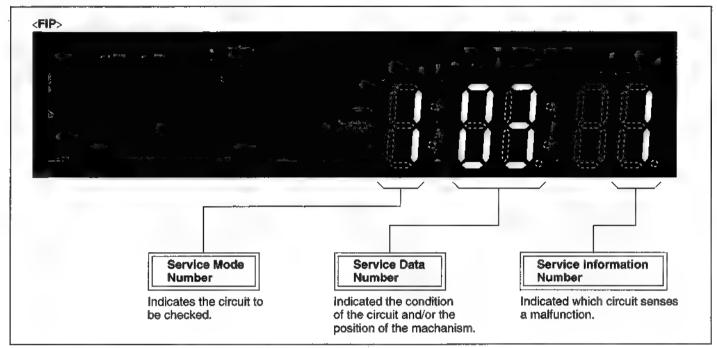


Fig. 2-16 Service Information Display

3-1. Set Service Mode

Press the FF and Eject buttons simultaneously.

The display will change "0.**:**

Pressing the FF and Eject button simultaneously will change the Service Mode Number as follows. (Refer to Fig. 2)

Mode 1 : Check tape protection circuit

Mode 2: Check tape transport mechanism

Mode 3: Check mode switching operation

Mode 4: Check tray in /out operation

Mode 5: Check control buttons

Mode 6: Check mode switching and solenoid operations

Mode 7: Check loading / unloading operation

The first digit indicates which of the above 7 service modes that the unit is currently in.

The second and third digits are service data that indicate the condition of the circuit or mechanism being checked.

The forth digit is the service information display. It is to be used by the consumer to help determine the source of a malfunction. The service information display operates independently of the service modes and stores the fault indication in memory for as long as AC power is not supplied.

Service Mode Number	Service Data Numbers		Indication	on			Remarks
	00	Light detected at both sensors.					
1 Tono Bosinsing/	01	Tape Beginning. Light to Supply Photo Sensor is blocked.					
Tape Beginning/ End detect	02	Tape End. Light to Take-up Photo	Sensor i	s blocked.			
	03	No light detected at either sensor.					
	03	Cassette Down					
2	05	H/L Position				-	
Mechanism	07	Middle Position					
position detect	09	Stop Position					···
	33	Tray Open Position					
	0*, 2*, 3*	Tray In → Stop					
	6*	Stop → Play					
3	8*	Play → Cue	-				
Process	9*	Play → Rev					
mode detect	n*	Stop → FF/Rew				•	
	2*	Loading					
	L*	Unloading					
4	1*	Tray In condition					
Tray process mode detect	*2→ *3→ *4→ 00	Tray Out condition					<u>.</u>
	00	Stop					<u></u>
	02	Rew					<u> </u>
	03	FF				<u> </u>	
5	04	Rev					
Mode detect	05	Cue					
	08	Play					
	OU	Rec					
						$\overline{}$	
		Solenoid condition	Pinch	S Reel	T Reel	1	
6	10	Stop	On	Off	Off	1	
Mechanism	16	FF/REW	Off	Off	Off		
position detect	2U	Tray In/Out	Off	On	On		
	29	Loading	Off	Off	On		
7 Checks loading/unloading operation		The Loading Motor rotates for loading operation when the "Play" button is pressed. The Loading Motor rotates for unloading operation when the "Stop" button is pressed.				-	Tape not required.

Fig. 3-2 Service Mode Number

3-2. Self-Test Mode

This VTR has a self-diagnosis and display function. If the VTR detects trouble during installation or during use, one of the following Fault Indication Codes will automatically appear in the VTR display. Fault Indication codes are displayed in the form of a single English letter plus two numbers such as "H01".

Note:

1. The indication "H" or "F" is displayed on the FIP, and the power is automatically turned off.

When the power is turned on again, the Fault Indication Code will disappear and the unit will return to normal display mode (either clock or counter).

2. This Fault Indication Code will be stored in the Timer microprocessor even with the AC plug disconnected.

The two-digit number portion of the stored Fault Indication Code can be redisplayed in the FIP's "second" display position (the last 2 digits on the light) by placing the unit is Service Mode Number 2 when turning on Service Information Display as for example "01" or "02" etc.

If a second error occurs, only the most recent error will be displayed and stored.

3. To erase the stored Fault Indication Code data, press "FF" and "Eject" button simultaneously more than 5 seconds.

Di	splay	Condition	Cause	Remedy/Check		
Н	H01 Cylinder Lock		H01	Cylinder Lock	After Cylinder lock is detected, the Cylinder does not start rotating again even after tape unloading.	Check the cylinder motor drive.
	H02	Capstan Lock	Cassette tape is not wound up during tape unloading.	Check the capstan motor drive.		
F	F03	F03 Loading Lock Mechanism locks during tape loading.		Check the loading motor drive.		
	F04 Unloading Lock		Mechanism locks during tape unloading.	Check the mecha. phase alignment.		
	F05	Reel FG Detection	Detects abnormal condition during tape loading/unloading.	Check the tension sensor and supply and take-up reel drive.		
	F06	Tray In Lock	Tray Motor locks during Tray In.	Check the tray motor drive.		
	F07	Tray Out Lock	Tray Motor locks during Tray Out.	2. Check the tray phase alignment.		
	F08	Tension Sensor Detection	Detects abnormal condition during tape loading.	Check the tension sensor and supply and take-up reel drive.		

Fig. 3-3 Self-Test Indication Display

4. Removal of the Cassette Tape

If the electrical circuit is defective and the action of unloading and front unloading do not work properly, it is possible to remove the cassette manually.

There are 2 methods to remove the cassette as follows.

4-1. Battery Operation

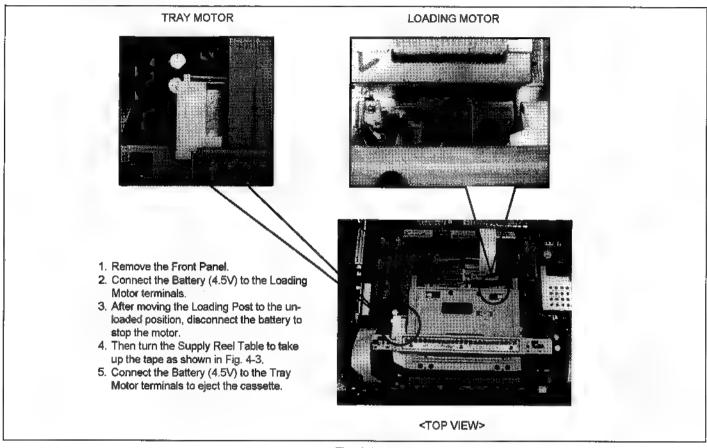


Fig. 4-1

4-2. Hand Operation

1. Unload the loading post by turning the loading motor

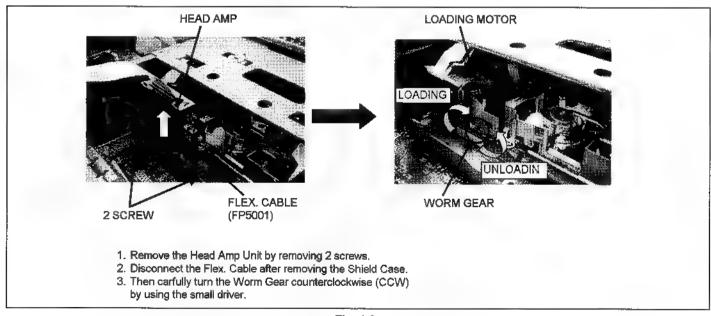


Fig. 4-2

2. Take up the tape by turning the supply reel table

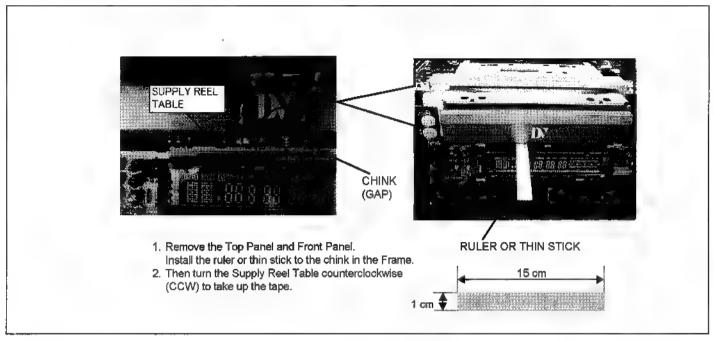


Fig. 4-3

3. Eject the tray by turning the tray motor

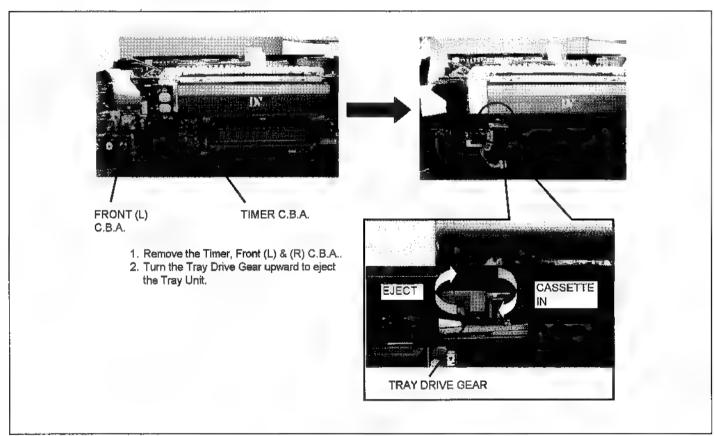
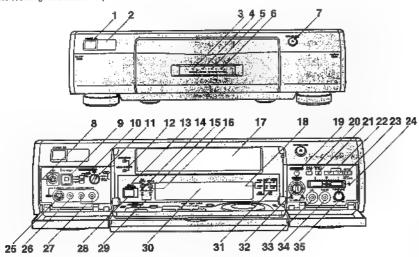


Fig. 4-4

Control and Connection Sockets

This section gives a detailed explanation of the function of each button, switch and connection socket



FRONT

1 POWER O/I

Press to switch the VCR from on to standby mode or vice versa, in standby mode, the unit is still connected to the mains.

2 Infra-red Remote Control Receiver Window

3 STANDBY Indicator

This indicator is lit when main lead is connected and the power is off.

4 POWER Indicator

This indicator is lit when the power is on.

5 TIMER REC Indicator

This indicator is lit when the timer recording function is

6 CASSETTE IN Indicator

This indicator is it when a cassette is inserted.

Press to open the front panel or open/close the cassette tray.

By connecting a movie camera or VCR with an EDIT socket to this socket via an Edit cable, various kinds of editing functions can be performed more quickly and efficiently between two VCRs or between ■ VCR and a movie camera.

9 DV IN/OUT ()

To connect the DV cable to digital video equipment with IEEE 1394-1995 compatible DV terminal. "I.LINK" is the name of the connector in accordance with the International Standard IEEE1394-1995.

"it" is the logo marked on products conforming with the

"i.LINK" specifications. For further details on the DV terminal, refer to the Glossary of Terms on page 92.

10-EDIT MODE

PLAYER: When this VCR is used as the playback VCR during editing operations.

RECORDER: When this VCR is used as the recording VCR during editing operations.

Normally set at this position.

When operating this VCR using enother PASSIVE: VCR or an editing controller.

. The picture quality best suited for editing is selected.

To select a connected component when another component is to be connected for editing, etc.

12 DV CASSETTE/MINE DV CASSETTE Indicators

This indicator corresponds to the size of the cassette

III JOG/SHUTTLE Indicator

While this display is lit, the unit is set to the Jog/Shuttle

- Check that the display is before proceeding with a jog or shuttle operation.
- · The display is automatically turned off if no operation is performed.

14 VIDEO INSERT Indicator

This indicator is lit when the Video Insert editing is performed.

15 AUDIO DUB Indicator

This indicator is lit when the Audio Dubbing or Audio Mixing is performed.

16 AUDIO INSERT Indicator

This indicator is lit when the Audio Insert editing is performed.

17 Cassette Tray

18 Indicators for AUDIO MONITOR

The audio track selected by STEREO SELECT lights. (This applies to a tape recorded in the 12bit audio mode only.)

19 MIXING EDIT

For Mixing Editing.

20 TIMER REC ID

To turn the timer recording function on and off. (I) is lit when the function is on (standby mode). Once the operating timer recording function is set. normal VCR operation is not possible unless this button is set to off.

21 DIRECTTY REC

For the Direct TV REC function.

To select the required programme position (TV station) of the VCR.

23 REC/OTR

To start recording.

For One-Touch Recording (OTA).

24 AUDIO REC LEVEL

To adjust the audio recording level to peak at +4 dB on the recording level indicator.

. When INPUT SELECT is set to DV IN the audio recording level cannot be adjusted.

25 S-VIDEO IN (AV3)

To connect the S-Video cable to a movie camera or to another VCR that has an S-Video output socket.

. If an S-Video cable is connected, other video Input (AVS) is automatically switched off.

26 VIDEO IN (AV3)

To connect the video cable to a movie camera or to another VCR.

27 AUDIO (AV3)

To connect the audio cable to a movie camera or to

28 EDITING CONTROLLER Socket

When using the editing controller separate from the main unit, remove the modular cap and then connect the editing controller cable.

28 DV IN/OUT Indicators

DV IN: This indicator is lit when INPUT SELECT is

set to DV

DV OUT: This indicator is when a playback operation is performed using this VCR or when INPUT SELECT is sel to other than DV IN.

30 Display

31 Indicators for AUDIO DATA

Displays the audio data that is to be recorded, or the audio data on a tape that has already been recorded. The audio recording mode can be set in the SET UP

12bit-STEREO1: To play back a tape that is recorded in 12bit audio mode.

12bit-STEREO2: To play back a STEREO2 audio tape

recorded in the 12bit audio mode. 16blt: To play back a tape that is recorded in

16bit audio mode.

32 AUDIO MIX Level

During the Audio Mixing function:

To adjust the volume of the original audio

During playback of a tape recorded in the 12bit audio mode:

> To adjust the mix balance between the STEREO1 and STEREO2 audio

33 MIC

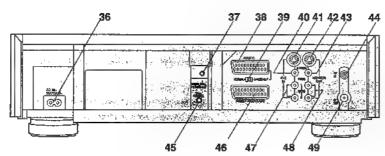
To connect to a microphone for recording, Once connected, this socket has priority.

34 PHONES

To connect stereo headphones,

35 PHONES LEVEL

For adjusting the volume level | connected stereo



REAR

36 AC IN~

To connect to the main power supply.

37 DIGITAL STILL PICTURE OUT

To connect the VCR with a computer in order to transmit the image data to the computer.

38 AV1 (TV)

This 21-pin scart terminal carries input and output signals for both picture and sound. TV sets equipped with a similar socket can be connected here

The scart terminal is also called 1 2 5 7 5 11 12 15 17 15

Peritel Euro Connector Euro AV

00000000000 2 4 6 8 18 12 14 16 18 20

NORMAL (AV1/AV2) S-VIDEO (AV1) 01 AUDIO GUTPUT 01 AUDIO OUTPUT CH2 (R) CH2 (R) 02 AUDIO INPUT 02 AUDIO INPUT CH2 (R) CH2 (R) 03 AUDIO OUTPUT AUDIO OUTPUT CH1 (L) CH1 (L) 04 AUDIO GND 04 AUDIO GND 05 BLUE GND 05 No connection 06 AUDIO INPUT CH1 (L) 06 AUDIO INPUT CH1 (L) 07 BLUE 07 No connection 08 SWITCHING VOLTAGE 08 SWITCHING VOLTAGE 09 GREEN GND 09 No connection 10 CONTROL SIGNAL 10 CONTROL SIGNAL (AV1 only) 11 GREEN 11 No connection 12 No connection 12 No connection 13 RED GND 13 C OUT GND 14 BLANKING GND 14 No connection 15 RED 15 COUT 16 BLANKING 16 No connection

Caution: RGB reservation for only E/E operation when connecting the Pay TV decoder.

18 VIDEO INPUT GND

20. VIDEO INPUT

19 Y OUT

21 GND

17 VIDEO OUTPUT GND 17 YOUT GND

18 VIDEO INPUT GND

19 VIDEO OUTPUT

20 VIDEO INPUT

21 GND

39 NORMAL/S-VIDEO OUT

NORMAL: Normally set to this position. S-VIDEO OUT (AV1):

> Set to this position when connecting the VCR to a TV set equipped with 21-pin Euro-AV Connector with pins for separate Y/C signal input.

40 VIDEO IN (AV3)

To connect the video cable to a movie camera or to another VCR.

. If units are connected to the VIDEO input sockets on both the front and rear of this VCR, the rear video inputs are automatically switched off.

41 S-VIDEO IN (AV3)

To connect the S-Video cable to a movie camera or to another VCR that has an S-Video output socket.

- If an S-Video cable is connected, other video input (AV3) is automatically switched off.
- If units are connected
 ■ the VIDEO input sockets on both the front and rear of this VCR, the rear video inputs are automatically switched off.

42 S-VIDEO OUT

To connect the S-Video cable to a TV or another VCR that has an S-Video input socket.

43 VIDEO OUT

To connect the video cable to a TV or to another VCR.

To connect to the external serial.

45 8mm CONTROL

To connect a movie camera or another VCR equipped with LANC socket for editing.

46 AV2 (EXT/DECODER)

To connect to a decoder or another VCR.

47 AUDIO IN (AV3)

To connect the audio cable to a movie camera or to another VCR.

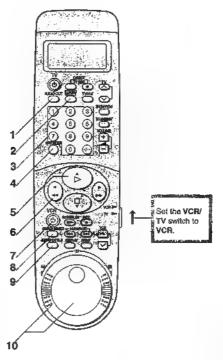
48 AUDIO OUT

To connect the audio cable a stereo audio system.

To connect to the aerial terminal on a TV set.

Infra-red Remote Controller

VCR OPERATION



1 AUDIO OUT

To select the desired sound made. At every push of this button, the audio output mode changes as follows.

The Left(L) and Right(R) indicators shown which sound mode is selected in the following way: Stereo: Both the L and III Indicators appear

The L Indicator appears. Right: The R Indicator appears.

2 STEREO SELECT

To select the audio track (STEREO1 audio and/or STEREO2 audio) on a tape which was recorded in the 12bit audio mode. During playback, each time the button is pressed, the sound changes as follows:



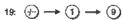
- . The audio track cannot be selected during the playback of a tape recorded in the 16bit audio mode.
- When INPUT SELECT set to DV and 12bit audio mode input signal is being received, the audio track can be selected by STEREO SELECT at any time

3 Numeric Buttons

Be sure that the VCR/TV switch is set to VCR.

• To select the programme positions (1-99) of the VCR.

9: (9)



To enter a ShowView number

4 INPUT SELECT

To select the A1, A2, A3 or DV IN external recording

5 > (PLAY)

To start playback, ">" is ift during playback,

6 ◀◀ (REWIND)

In the stop mode:

To rewind the tape.

In the playback mode: To search backward for a scene. In the rewind mode: To view the video.

"<!<! Is ■ during rewind.

7 VCR O

Press to switch the unit from on to standby mode or vice versa. In standby mode, the unit is still connected to the mains

8 SEARCH SELECT

To search for a recorded programme using the index/ photoshot index search function.

9 JOG/SHUTTLE

Press this to switch to the Jog/Shuttle mode and make JOG/SHUTTLE ON appear on the remote controller display. Press again to make JOG/SHUTTLE ON disappear.

In the stop mode: Still picture (Jog/Shuttle mode). During playback: Still picture (Jog/Shuttle mode).

10 Jog Dial/Shuttle Ring

Jog Dial (inner dial):

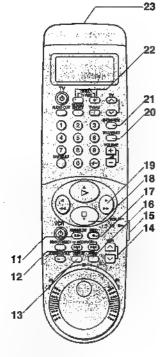
Operate after pressing JOG/SHUTTLE to switch to the Jog/shuttle mode.

To locate any desired field with utmost precision.

Shuttle Ring (outer ring):

Operate after pressing JOG/SHUTTLE to switch the Jog/shuttle mode.

To adjust playback speed backward or forward,



11 PAUSE/SLOW (III/IN)

During playback:

• When pressed once: Still picture. "IID" is lift.

· When pressed for 2 seconds or more:

Slow playback. "II>" is lit.

During recording: To pause recording.

12 INDEX/PHOTO

For the index/photoshot index search function.

13 DISPLAY

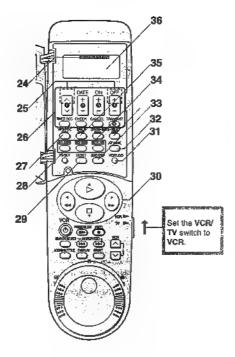
To change the VCR display indication as follows:

→Clock ----> Time ----> Remaining ---> Counter ----Code Tape Time

 The time code frame values are not displayed on the main unit's VCR display.

14 ∨ ∧ (VCR)

To select the required programme position (TV station) of the VCR.



15 VCR/TV switch

VCR: To select the VCR operation mode.

TV: To select the TV operation mode.

16 PRINT

To print out images when the VCR is connected to a video printer with an Edit socket.

17 REC

To start recording.

18 (STOP)

To stop playback or recording.

19 ▶► (FAST FORWARD)

In the stop mode:
In the playback mode:
In the fast forward mode:
To search forward for a scene.
To view the video.

"Do" is lit during fast forward.

20 TRANSMIT

To transmit the data that has been set on the remote controller to the VCR.

■ SHOWVIEW

For the ShowView programming.

22 DIRECT TV REC

For the Direct TV REC function.

Press both buttons at the same time.

23 Infra-red Transmitter

24 JOG/SHUTTLE ON Display

While this display is lit, the VCR is set to the Jog/Shuttle mode.

 Check that the display is to before proceeding with a log or shuttle operation.

 The display is automatically turned off if no operation is performed.

25 A , OFF+

For the Child Lock Function. See the description on page 11.

26 Timer Recording Operation Buttons

VA. DATE, ON, OFF:

To programme a timer recording.

#ER REC: To turn the timer recording function on and off. □ is ■ when the function is on

(standby mode).

Once the operating firmer recording function is set, normal VCR operation is not possible unless this button is set

to off.

CHECK: To programme a timer recording.

To check and modify timer

programmes.

CANCEL: To cancel timer programmes.

TRANSMIT: To transmit the data that has been set

on the remote controller to the VCR.

27 VPS/PDC

To set the VPS/POC recording option or cancel the option,

28 On Screen Display Menu Operation Buttons

The buttons with the green characters are used for the on screen display menu operation.

MENU: To make the On Screen Display Main

menu appear on the TV screen.
To exit the menu completely.

OK: To confirm the selection, or to store.

29 RESET

EXIT:

To reset the tape counter (elapsed time) to "0:00.00".

 The tape counter is automatically reset to "0:00.00" when a video cassette is inserted.

 It is not possible to reset the Time code to "0h00m00s00f" using RESET.

30 ▲ ▼ ◀ ▶

To make selections from the On Screen Display. (When the On Screen Display is displayed.)
These buttons can also be used for the playback, stop, rewind and fast forward mode.
(When the On Screen Display is not displayed.)

31 VCR1/2/3

To select the remote control mode. The selected mode appears on the remote controller display.

VCR1: Set this position on both the VCR and remote controller for normal use with one

VCB.

VCR2: Set this position when using two

Panasonic VCRs.

VCR3: Set this position when using three

Panasonic VCRs.

 When the VCR's remote control mode has been switched, select the same remote control mode on the aditing controller as well.

32 AV LINK

To select the VCR mode or TV made for AV LINK.

33 ZERO STOP

For the zero stop function.

34 DATE-OFF/ON, DATE-SELECT

When pictures are recorded using this VCR or a Panasonic Digital Video Camera, the date and time of the recording are automatically recorded onto the tape's sub code track

This button is used to select the information to be displayed on the On Screen Display.

DATE-OFF/ON:

To make the Date/Time indication appear on the TV screen.

DATE-SELECT:

To change the Indication to be displayed on the TV screen as follows:

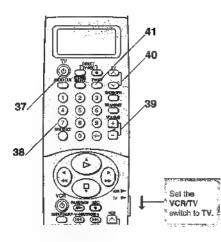
Date Date Time

35 SP/LP

To select the tape speed desired for recording.

36 Display

TV OPERATION



37 TV ()

Press to switch the TV from on to standby mode or vice versa. In standby mode, the TV is still connected to the

· With some TV models, it may only be possible to switch the TV iii the standby mode using this button. In this case, use the numeric buttons, TV/AV or V A to switch the TV on.

38 Numeric Buttons

To select programme positions (1-99) of the TV. Be sure that the VCR/TV switch is set to TV.

39 AW VOLUME

To adjust the volume of the TV,

40 ∨ ∧ (TV)

To select the required programme position (TV station) of the TV.

41 TV/AV

To switch between TV channels and external input

42 TV-SET

To set the remote controller for operation of the TV.

43 OFF

Sets the remote controller for operation of the TV.

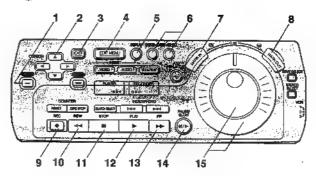
Child Lock function

Holding down ∧ and OFF+ until "D<F" and "nold" appear in the VCR display will deactivate all buttons. Any external commands will not be processed by the

To cancel this function, repeat the same procedure until "b<f" and "hold" disappear.

- If a button is pressed while the Child Lock function. ■ on, "D<f" and "hold" appear in the VCR display.
- When the power is disconnected, the Child Lock function is automatically cancelled after the roughly 60 minutes of backup time.

Editing Controller



1 SET UP

To make the SET UP screen appear on the TV screen. When the SET UP screen is displayed, use this button to return to the previous screen,

2 ▲ ▼ ◀ ► (CURSOR)

To make selections from the SET UP or EDIT MENU screen. (When the SET UP or EDIT MENU screen is displayed.)

3 EXIT

To exit the SET UP or EDIT MENU screen.

4 EDIT MENU

To make the EDIT MENU screen appear on the TV screen, and to return to the previous screen. This button 11 (STOP) Is also used to stop editing functions using the EDIT MENU screen.

5 DISPLAY

To change the VCR display Indication as follows:

_>Clock —	→ Tìme —	\rightarrow Remaining \longrightarrow C	οι
	Code	Tape Time	

· The time code frame values are not displayed on the main unit's VCR display.

6 DATE-OFF/ON, DATE-SELECT

When pictures are recorded using this VCR or a Panasonic Digital Video Camera, the date and time of the recording are autometically recorded onto the tape's sub code track.

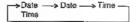
This button is used to select the information to be displayed on the On Screen Display.

DATE-OFF/ON:

To make the Date/Time indication appear or the TV

DATE-SELECT:

To change the Indication III be displayed on the TV screen as follows:



7 MARK IN

To set edit start points for Programme Editing.

8 MARK OUT

To set edit end points for Programme Editing.

9 REC

To start recording.

10 **◄◄** (REW)

In the stop mode: To rewind the tape. In the playback mode: To search backward for a scene. In the rewind mode: To view the video.

""" is ■ during rewind.

To stop playback or recording.

12 ► (PLAY)

To start playback. ">" is lit during playback.

13 ▶► (FF)

In the stop mode: To fast forward the tape. in the playback mode: To search forward for a scene. in the fast forward mode: To view the video. ">> " is lit during fast forward.

14 PAUSE/SLOW (HIAH)

During playback:

· When pressed once: Still picture. "DD" is lit.

When pressed for 2 seconds or more:

Slow playback, "ÎI>" iş lit, During recording: To pause recording.

15 Jog Dial/Shuttle Ring

Jog Dial (inner dial):

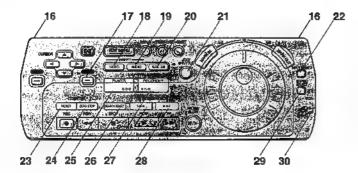
Operate after pressing JOG/SHUTTLE to switch to the Joa/shuttle mode.

To locate any desired field with utmost precision.

Shuttle Ring (outer ring):

Operate after pressing JOG/SHUTTLE to switch to the Jog/shuttle mode

To adjust playback speed backward or forward,



16 Infra-red Transmitter

17 OK

To start Manual editing and to store the selection on the SET UP or EDIT MENU screen.

18 VIDEO INSERT

For the Video Insert function and the AV Insert function.

19 AUDIO INSERT

For the Audio Insert function and the AV Insert function.

20 AUDIO DUB

For the Audio Dubbing function or the Audio Mixing function

21 JOG/SHUTTLE

To switch to the Jog/Shuttle mode. When the button is pressed, it lights and the VCR enters the Jog/Shuttle

In the stop mode: Still picture (Jog/Shuttle mode). During playback: Still picture (Jog/Shuttle mode).

22 INPUT SELECT

To select the A1, A2, A3 or DV IN external recording source.

23 RESET

To reset the tape counter (elapsed time) to "0:00.00".

- The tape counter is automatically reset to "0:00.00". when a video cassette is inserted.
- It is not possible to reset the Time code to "Oh00m00s00f" using RESET.

24 ZERO STOP

For the zero stop function.

25 PLAYER

To operate the playback unit.

26 SEARCH SELECT

To search for a recorded programme using the index/ photoshot Index search.

27 RECORDER

To operate the recording VCR.

28' INDEX/PHOTO

For the Index/photoshot index search function,

29 STEREO SELECT

To select the audio track (STEREO1 audio and/or STEREO2 audio) on a tape which was recorded in the 12bit audio mode. During playback, each time the button is pressed, the sound changes as follows;

→ STEREO1---→ STEREO2--->STEREO1 STEREO2

- . The audio track cannot be selected during the playback of a tape recorded in the 16bit audio mode.
- . When INPUT SELECT is set to DV IN, the audio track can be selected by STEREO SELECT at any time: It does not have to be during playback.

30 VCR1/2/3

To select the remote control mode. The aelected mode appears on the remote controller display.

Set this position on both the VCR and

remote controller for normal use with one

VCR2: Set this position when using two Panasonic VCRs

VCR3:

Set this position when using three

Panasonic VCRs.

While in the editing mode the VCR's Time code or tape counter display cannot be changed.

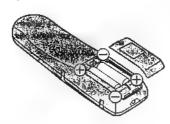
Remote Controller Editing Controller Setup

Installing the Batteries

1 To remove the cover, slide it in the direction of the arrow while pressing down.



2 Load the batteries with their polarity (⊕ and ⊖) aligned



3 Side the cover back on.

Power Source for the Remote Controller

The remote controller is powered by 2 AA, UM3 or R8 size batteries. The life of the batteries is about one year, although this depends on the frequency of use.

Precautions for Battery Replacement

- Load the new batteries with their polarity (⊕ and ⊖) aligned correctly.
- . Do not apply heat to the batteries, or an internal shortcircuit may occur.
- If you do not intend to use the remote controller for a long. period of time, remove the batteries and store them in a cool, dry place.
- · Remove spent batteries immediately and dispose of
- . Do not use an old and a new battery together, and never use an alkaline battery with a manganese battery.
- Do not use rechargeable batteries.

Set Up

Installing the Batteries

To remove the cover, slide II in the direction of the arrow while pressing down.



2 Load the batteries with their polarity (⊕ and ⊕) aligned correctly.



3 Slide the cover back on.

Power Source for the Editing Controller

The editing controller is powered by 2 AA, UM3 or R6 size batteries. The life of the batteries is about one year, although this depends on the frequency of use.

Precautions for Battery Replacement

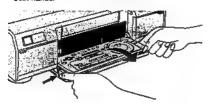
- Load the new batteries with their polarity (⊕ and ⊖). aligned correctly.
- . Do not apply heat to the batteries, or an internal shortcircuit may occur.
- If you do not intend to use the editing controller for a long. period of time, remove the batteries and store them in a cool, dry place.
- · Remove spent batteries immediately and dispose of
- . Do not use an old and a new battery together, and never use an alkaline battery with a manganese battery.
- Do not use rechargeable batteries.

The Editing controller can be operated in any of the following 3 ways:

- It can be operated while remaining attached to the main unit.
- Its batteries can be loaded, and it can be separated from the main unit and operated as the remote controller.
- It can be separated from the main unit, connected using the accessory controller cable and operated as the remote controller.

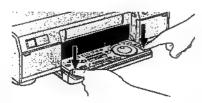
How to separate the editing controller

White pressing the buttons at the left and right of the main unit's front panel, remove the editing controller with both hands.



How to attach the editing controller

Push down on the editing controller until the areas around the left and right buttons on the unit's front panel click into position.



When connecting the editing controller to the video unit using the controller cable

1 Remove the cover over the controller socket on the rear panel of the editing controller, and insert the plug at one end of the editing controller cable into this socket until it clicks into position.



2 Remove the modular cap over the unit's controller socket, and insert the plug at the other end of the editing controller cable into this socket until it clicks into position.



When using the editing controller as a remote controller

As a remote controller, the editing controller can be operated at a distance up to about 9 m in front and up to an angle of up to about 30 degrees to the left or right of centre. (This range changes in accordance with the ambient brightness.)

Note:

When the VCR's remote control mode has been switched, switch the remote control mode on the editing controller as well.

21pin-Phono Transformer Adaptors





21pln-Phono Transformer Adaptor (Output)
 Inserting this adaptor into AV1 allows if to be used as the Phono Audio/Video output socket.

VIDEO: To connect the video cable

EO: To connect the video cab to a TV or another VCR.

AUDIO(L/MONO, R): To connect the audio cable to a monitor or another VCR.

2 21pin-Phono Transformer Adaptor (input)

Inserting this adaptor into AV1 or AV2 allows it to be used as the Phono Audio/Video input socket.

ADEQ.

AUDIO(L, R):

To connect the video cable to a TV or another VCR.
To connect the audio cable

To connect the audio cable to a monitor or another VCR.

Setting the Remote Controller to Operate Your TV

This setting procedure allows you to operate the TVs of some manulacturers using the supplied remote control transmitter.

Preparation

Turn on the TV.

Operations

1 Keep TV-SET pressed for more than 2 seconds. Display Symbols

TV-SE



2 Press OFF several times.





 When the number metches the manufacturer of your TV, the TV's power is turned off.
 Read through the information on the following page as well.

3 Press TV-SET.

TV-SET



The remote controller display changes as shown.

..........

How to change the number

Each time the "+" side of OFF is pressed, the number is counted up by one as follows:

When the "-" side of OFF is pressed, the number is counted down by one in the reverse order to that indicated above.

Notes:

- If you are using m Panasonic TV, this setting has already been made, and so you do not need to perform the above setting procedure. However, this remote controller may not work with some Panasonic TVs.
- Some TV models cannot be operated using this remote controller.
- This VCR remote controller is not designed to select all AV positions of some TVs,
 Use your TV remote cotroller to select some AV positions.

15

Set the VCR/TV

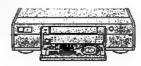
switch to TV.

1 - 20

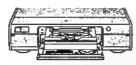
A STATE HOLDS Panasonio 01-04 BLAUPUNKT 05 15 BRANDT 06 BUSH CURTIS 06 DUAL 06 ELEMIS 06 **FERGUSON** 09-12, 14, 15 06, 09-12, 14, 15 GOODMANS GRUNDIG 05 HITACHI 17, 18, 29, 30 ITT 21 27 JVC LOEWE 06 METZ 08 MITSUBISHI 28 MIVARI 23 NOKIA 21, 22 NORDMENDE 15 **PHILIPS** 06 PYE 06 RADIOLA 06 SABA 09, 11, 12, 14, 15 SALORA 22 SAMSUNG 06, 20 SANYO 25 06 SBR 21 SELECO SHARP 26 SIEMENS 05, 19 SONY 07 TELEFUNKEN 09-16 THOMSON 09-11, 14, 15 TOSHIBA

Inserting the Cassette

- Press OPEN/CLOSE.
- The front panel opens.

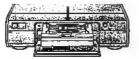


- 2 Press OPEN/CLOSE again.
- The cassette tray is extended.

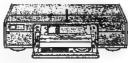


3 Align the cassette with the cassette guide and place it on the tray white ensuring that the side of the cassette with the tape exposed is facing up and the label side in turned toward you.

Mini Cassetti



Standard Cassette



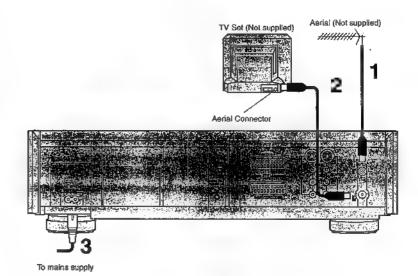
- 4 Proce OPENICLOSE
 - The cassette tray is retracted inside the video unit.

Connections and Settings Without Using a 21-Pin Scart Cable

1 Connections

The VCR sends signals to the TV via an RF coaxial cable (supplied).

Make the connections shown in the figure below.



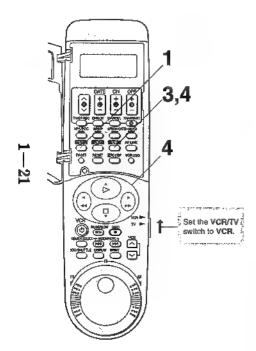
2 Settings

Setting a VCH channel on your TV allows you to view the video picture on your TV in the same way that you watch TV hroadcasts.

Once the Country setting is completed, the VCR automatically searches for TV stellons and sets the clock. (This in known as Auto Setup.)

Preparation

Turn on the TV and VCR.



Operations

Keep MENU pressed for 5 seconds or

· Hold down the button until "Ch" appears in the VCR display.

Set the TV to an unused position which you wish to use for your video playback.

> · Tune the TV until the test pattern appears on the screen. Consult the operating Instruction of your TV to find out how to tune

The initial setting of

I 35ch.

On Screen Display the RF output channel

(Test Pattern)

Press OK to exit the Test Pattern screen. The Country

setting screen appears.

Beigla Beiglen Gannari Espatia France Italia Hemerier Horge

Select the desired country. Auto Setup (auto tuning and auto clock settings) then starts automatically.



MAR WITH **□** 6 4

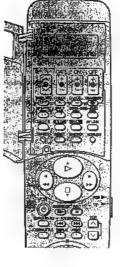
To Reset Auto Setup:

Press EXIT, then disconnect and reconnect the power source.

The Country setting screen will appear on the screen. Repeat the operations from step 3.

Notes:

- . The Auto Setup searches for TV stations from VHF minimum to UHF maximum and stores the data for every programme position. The other programme positions are skipped.
- . The Auto Setup takes five minutes or more to search for the TV stations and set the clock.
- . If VCR is not set correctly by Auto Setup, see Various Settings on pages 39-42.
- Auto clock setting will not work correctly if teletext. information in not available. If the clock setting screen appears after auto tuning has been completed, set the clock manually. Refer to steps 3-5 on page 42.



To Change the RF Output Channel (using the remote controller):

in some rare cases after Auto Setup, interference may be visible on the picture. To avoid interference, you can manually adjust the RF output channel a few steps up or down from the current setting.

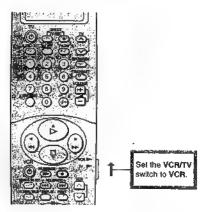
Operations

- 1 Turn on the TV and VCR.
- 2 Keep MENU pressed for 5 seconds or more.
 - Hold down the button until "Ch" appears in the VCR. display.
- 3 Enter the desired channal number (21-69) by using the numeric buttons or V A of the remote controller.
 - · Be sure that the VCR/TV switch is set to VCR.
 - Set the RF output channel of the VCR to "--" (RF OFF) when the VCR is connected to the TV via the 21pin scart cable.

Press the "0" numeric button or > ^ to display '--".



- 4 Press OK to finish the setting mode.
 - Retune your TV to the new channel for the VCA.
 - · After the Country setting is set, the Country setting screen will not me displayed even if the RF output channel is changed and DK is pressed.



To Check the Settings for Auto Setup:

Use the following procedure to check that the settings for Auto Setup are set correctly.

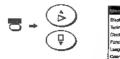
Operations

1 Press MENU and select Tuning.

On Screen Display

Manual COST, 397 (A.C.

eto-Setup Rauduri



Select Manual.



Pos Name Ox 11 ORS 35 12 RTL 4 13 BAT1 6

3 Looking at the On Screen Display, check that the settings for Auto Setup are set correctly. If the desired TV stations have all been displayed and are set in the correct order, Auto Setup is completed. If the TV stations have not been correctly entered and set, perform the manual setting procedure on page 39. Press EXIT to exit the On Screen Display.

Note:

Manual tuning is required when there is a * mark at the beginning of the station name display, even if the station name is displayed. See page 40.

Connections and Settings **Using a 21-Pin Scart Cable**

1 Connections

The VCR sends signals to the TV via a 21-pin scart cable (sold separately).

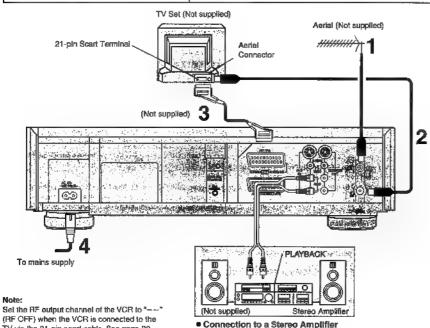
When connecting the VCR III a TV with the "Q Link", "DATA LQGIC", "NEXTVIEWLINK", "Easy Link", "Megalogic", "SMARTLINK", or other logo, the fully-wired 21-pin scart cable should be used in Step 3. If this cable is not used, the "Preset Download" and "Direct TV REC" functions will not operate. (See pages 25 and 30.)

Make the connections as shown ■ the figure below.

TV via the 21-pin scart cable. See page 20.

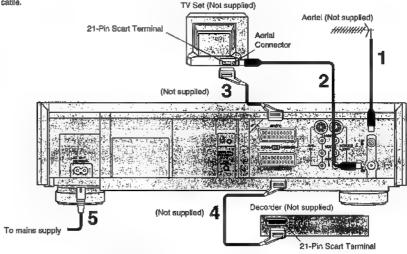
After making these connections, one of saveral setting methods is performed.

Type of TV set that you have		Setting method
TV with the "Q Link" or "DATA LOGIC"	TV has not been preset.	Turn on the TV first. Perform Tuner setup as described in the TV operating Instructions. Download from TV starts and ends automatically.
logo	TV has elready been preset.	Go to page 25.
TV with the "NEXTVIEWLINK", "Easy Link", "Megalogic", "SMARTLINK",	TV has not been preset,	Turn on the TV first. Perform Turner setup as described in the TV operating instructions. Download from TV starts and ends automatically. When Preset Download has finished, select your country (see page 46), and then restart Download (see page 41).
or other logo	TV has already been preset.	Go to page 25.
Cases other than the one above		Go to page 23.



Connection to a Decoder

In addition to the connections described on the previous page, connect the AV2 socket to the decoder using a 21-pin scart



Notes:

- If the TV set is provided with an RGB-compatible connector, connect the 21-pin AV cable from the VCR to this connector. Use the fully-wired 21-pin scart cable for connecting the TV set and VCR and for connecting the VCR and decoder.
- Set the RF output channel of the VCR to "--" (RF OFF) when the VCR is connected to the TV via the 21-pin scart cable. See page 20.
- AV2 must first be set to DECODER when the decoder is connected to the AV2 socket. (See page 45.)

AV LINK

With this button, the connected colour TV set can be switched from TV mode to VCR mode (and vice versa) when it is connected by means of 21-pin scart cable. This makes a variety of functions possible, such as simultaneous recording and viewing when ■ Pay TV decoder or a satellite receiver has been connected.

VCR mode (VCR Indicator lighte up):

To enjoy sound and pictures from the VCR.

- . When MENU, SET UP or EDIT MENU is pressed and the OSD (On Screen Display) screen is displayed, the unit also automatically switches to VCR mode. However, if the unit is originally in TV mode, the VCR indicator is not displayed.
- . The unit also automatically switches to VCR mode when playback is started. However, the unit cannot be returned to TV mode during playback.

TV mode (VCR indicator goes off):

- . To watch another programme on the TV while recording
- · Select the programme to be watched using the TV set's
- · The sound and pictures of a different channel are received by the VCR.

		VCR	 TV set	
Po	wer On		AV input selected Input from TV set's tuner*	
Po	rwer Off	_	Input from TV set's tuner	Ī

"When the VCR is set to the TV mode and the Pay TV channel is selected, the signals will still be scrambled even when Pay TV is selected by the TV set's tuner. In this case, either set the VCR to the VCR mode or switch the TV set's input signals to AV input.

2 Settings

Auto Setup

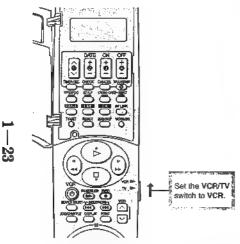
This setting is used when the VCR is not connected \blacksquare a TV with the "Q Link", "DATA LOGIC", "NEXTVIEWLINK",

"Easy Link", "Megalogic", "SMARTLINK", or other logo using a fully-wired 21-pin scart cable.

The VCR automatically searches for TV stations and sets the clock. (This in known as Auto Setup.)

Preparation

Turn on the TV and VCR.



The **Country** setting screen appears. Select the desired country. On screen



 Auto Setup (Auto turing and Auto clock setting) starts automatically.

Auto-Senop

er program. please web

□ Ch 4

To Reset Auto Setup:

Press EXIT, then disconnect and reconnect the power source. The Country setting screen will appear on the screen.

Notes:

- The Auto Setup searches for TV stations from VHF minimum to UHF maximum and stores line data for every programme position. The other programme positions are skipped.
- The Auto Setup takes five minutes or more to search for TV stations and set the clock.
- If VCR is not set correctly by Auto Setup, see Various Settings on pages 39-42.
- Auto clock setting will not work correctly if teletext information is not available, if the clock setting screen appears after auto tuning has been completed, set the clock manually.

Refer to steps 3-5 on page 42.

• If you change the turning details of the TV after Auto Setup has been performed on the VCR, the new information may be automatically downloaded to like VCR, and the input content of Auto Setup may if erased. If this happens, repeat Auto Setup.

To Check the Settings for Auto Setup:

Use the following procedure to check that the settings for Auto Setup have been correctly made.

Operations

1 Press MENU and select Tuning.



2 Select Manual.



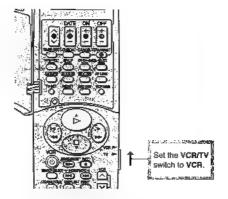
3 Looking at the On Screen Display, check that the settings for Auto Setup are set correctly. If the desired TV stations have Bill been displayed and are set in the correct order, Auto Setup is completed. If the TV stations have not been correctly entered and set, perform the manual setting procedure on page 39. Press EXIT to exit the On Screen Display.

Note:

Manual tuning in required when there is a * mark at the beginning of the station name display, even if the station name is displayed. See page 40.

The "Q Link" functions





When the VCR is connected to a TV with the "Q Link", "DATA LOGIC", "NEXTVIEWLINK", "Easy Link", "Megalogic", "SMARTLINK", or other logo using a fully-wired 21-pin scart cable, you can use the "Q II lik" functions.

The following Q Link functions are available.

1 Preset Download

When the VCR is connected to the TV, the station list data will be copied from the TV to the VCR, and the TV channels will be preset on the VCR. See page 25.

2 Direct TV REC

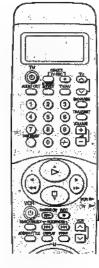
This function allows you to immediately record the programme you are watching on the TV at the moment by simply pressing DIRECT TV REC.
See page 30.

3 TV/VCR Auto Power On

(This function is only available when the VCR is connected to a TV with the "Q Link" or "DATA LOGIC" logo.)

Even if the TV or VCR is III the standby mode, the TV and VCR will automatically turn on when one of the buttons [I> (PLAY) or CHECK] in pressed.

 When a cassette with the opened record prevention tab is inserted into the VCR, the VCR starts up and automatically begins playback. The TV also turns on.



4 VCR Auto Power Off

(This function is only available when the VCR is connected to a TV with the "Q Link" or "DATA LOGIC" logo.)

Turning the TV off will also turn the VCR off. However, this operation works only when the VCR has been set fill Rewind or Stop mode, or there is no tape inside.

- If the Power Off command is received while the VCR is rewinding the tape, the VCR will not turn off until rewinding is completed.
- This operation does not work when settings are being mode. (Download, Auto Setup, Auto Clock Setting, Manual Search)

5 TV On Screen Display Message

(This function is only available when the VCR is connected to a TV with the "Q Link" or "DATA LOGIC" logo.)

With this function, VCR messages appear on the TV screen even in the TV mode.

Message Conditions when message appears

This programme has already started

Timer recording is starting.

Note:

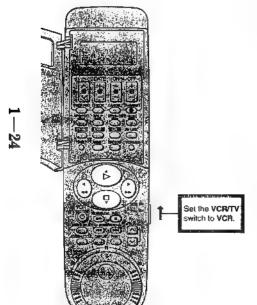
Depending on the TV, the message may not appear correctly.

Preset Download

This setting is used when the VCR is connected to a TV with the "Q Link", "DATA LOGIC", "NEXTVIEWLINK", "Easy Link", "Megalogic", "SMARTLINK", or other logo using a fully-wired 21-pin scart cable.

When the VCR is connected to the TV, the station list data will be copied from the TV to the VCH, and the TV channels will be preset on the VCR.

This function is known as "Preset Download".



Applicable to TVs with the "Easy Link", "Megalogic" and "SMARTLINK" logo:

The Country setting screen appears when the VCR is turned on after being connected to the TV using the fullywired 21-pin scart cable.

Select the desired country.



· Next, the "Download" screen appears, and downloading begins Immediately.

Applicable to TVs with "Q Link" and "DATA LOGIC": If the VCR is connected to a TV with the "Q Link" or "DATA LOGIC" logo, the "Download" acresn appears, and downloading begins immediately.



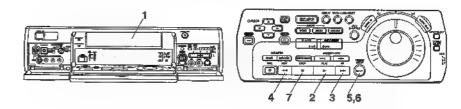
· When downloading from TV has finished, the programme of the station with the lowest channel number which can be tuned in is received automatically.

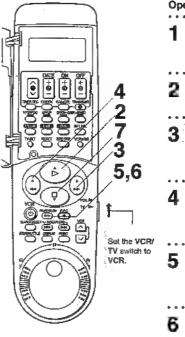
Note:

Download will only work when the VCR is connected to a TV with the "Q Link", "DATA LOGIC", "NEXTVIEWLINK", "Easy Link" "Megalogic", "SMARTLINK", or other logo using a fully-wired 21-pin scart cable.

When this condition is not met, Auto Setup will be executed. (See page 23.)

Playback





Operations Display Symbols

Insert a recorded cassette tape (page 17).



Press ▷ (PLAY) to start playback.



Tap ►► (FAST FORWARD) to search forward.



 Press ▷ (PLAY) to change back mormal playback.

Tap ◀◀ (REWIND) to search backward.



 Press ▷ (PLAY) to change back to normal playback.



Press PAUSE/SŁOW to view a still picture.

 Press ▷ (PLAY) or PAUSE/SLOW m continue normal playback.

.



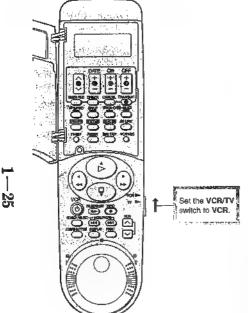
Keep PAUSE/SLOW pressed for 2 seconds or more to view a slow motion picture. Press ▷ (PLAY) = continue normal playback.



Press (STOP) to stop the picture.

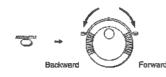
If you keep ▶► (FAST FORWARD) or ◄◄ (REWIND) pressed in step 3 or 4, search playback is activated while the button is pressed, and operation returns to normal playback when the button is released.

Other Playback Functions



- To Change the Playback Speed

 1 Press JOG/SHUTTLE on the remote controller or the editing controller.
- . The button on the editing controller is lit.
- 2 Rotate Shuttle Ring.



To Locate the Desired Picture Exactly

- 1 Press JOG/SHUTTLE on the remote controller or the editing controller.
- The button on the editing controller is III.
- 2 Turn Jog dial.



To View the Video During Fast Forward or Rewind

Keep▶► (FAST FORWARD) pressed during fast forward. Keep ◄◄(REWIND) pressed during rewind.



To Return to a Specified Scene

After playback, press ZERO STOP in the stop mode.

- The tape will be rewound or fast forwarded to 0:00.00 approximately.
- During Time code display, this function will not work.

Automatic Playback

When a cassette with the opened record prevention tab is inserted, the VCR starts playback automatically.

VCR-off Playback

When the VCR is off, an inserted caseette can be played back by pressing ▷ (PLAY).

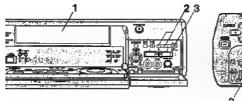
Automatic Rewinding

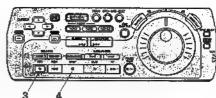
When the tape reaches the end during recording (except for timer recording) or playback, it will automatically be rewound to the beginning.

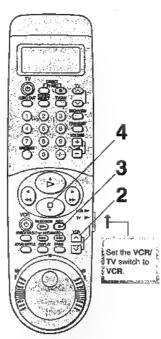
During OTA, this function will not work.

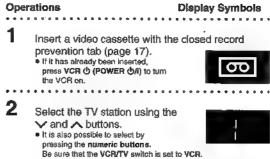
Que, review or slow playback will be automatically cancelled after 10 minutes, and still playback after 5 minutes.

Manual Recording













Press (STOP) to stop recording.

To Select the Desired Tape Speed Press SP/LP before recording.



To Pause Recording Press PAUSE/SLOW during recording. Press again to continue recording.



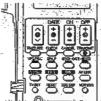
To Select the Desired Audio Mode

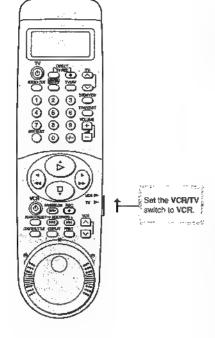
Perform the procedure below using the editing controller, 1 Press SET UP.

- Using ▲▼, select Audio Mode and press OK.
- 3 Using **◄▶**, select 12bit or 16bit, then press OK.
- For details, see Initial Settings for Editing on page 58.

To Record One TV Programme while Viewing Another

After step 3, change to the TV channel of the programme you want to view.





To Display the Remaining Tape Time

Press DISPLAY repeatedly until the Remaining Tape Time appears on the VCR display.



 The remaining tape time may not be displayed correctly for some tapes.

Recording Stereo and Bilingual Programmes

- Recording is automatically made in the stereo and bilingual mode. This prevents errors in the selection of the dubbed or the original language.
- 2 During playback press AUDIO OUT to select the desired sound mode, See page 6.

Notes:

- When a video cassette with the opened record prevention tab ill inserted, the "act indication will than to indicate that recording is not possible.
- The recording pause mode will be automatically cancelled after 5 minutes and return to the stop mode.

The NICAM Broadcast System

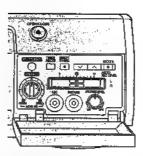
AG-DV2700 in also equipped with the NICAM sound system.

NICAM is a 2 Channel sound broadcast system that provides either a high quality stereo sound track or 2 independent MONO sound tracks, M1 and M2. NICAM programmes are always accompanied by standard sound broadcasts and you can select the desired sound with AUDIO OUT during playback.

 To record the regular sound (ordinary normal sound) on the FM audio tracks when a Stereo, Bilingual or NICAM programme in received, select Mono ON during manual tuning procedure, See page 40.

Important Note for the NICAM System

When AG-DV2700 is switched on, the tuner will automatically switch to a NICAM broadcast, if NICAM is being transmitted. During test transmissions, it is possible that the sound received doesn't correspond to the picture being viewed. ■ order to receive a synchronized sound and picture, select Mono ON setting. This will only apply until NICAM transmissions are fully operational. Even if the sound track is in MONO, the stereo indicator will appear.



One-Touch Recording (OTR)



After you start recording, you can use this function to stop recording automatically when the programme is finished (useful for recording when you are out). Simply set the recording duration by pressing REC/OTR repeatedly. The duration indicated on the VCR display changes by pressing REC/OTR as follows:

Preparation

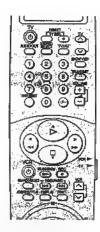
Insert a video cassette with the closed record prevention tab.

Operations

- Set the video source which is to be recorded, and start recording.
- 2 Press REC/OTR repeatedly to select the desired recording duration.
 - The VCR will automatically switch off when OTR is completed. To turn the VCR on again, press VCR (POWER (b/I)).

Notes:

- The OTR function works during normal recording or Direct TV REC.
- When the tape reaches the end during OTA, the VCR will turn itself off.
- To stop OTR at any time, press □ (STOP) or VCR () (POWER (5/i)).



Direct TV REC

This function allows you to immediately record the programme you are watching on the TV at the moment by simply pressing DIRECT TV REC.

However, this function works only when this VCR is connected to a TV with the "Q Link", "DATA LOGIC", "NEXTVIEWLINK", "Easy Link", "Megalogic", "SMARTLINK", or other logo using the fully-wired 21-pin scent cable.

Preparation

Insert a video cassette with the closed record prevention tab.

Operation

When you are watching TV and you want to record the programme immediately, press DIRECTTV REC on the VCR main unit or remote controller.

The recording will start.

 It is not necessary an adjust the programme position of your VCR to the TV station that you are watching now,

Notes:

- Even if the programme positions are not the same, the programme position of the VCR switches to the same position of the TV. When recording is finished, the programme position of the VCR ratums to the previous position.
- Do not press AV LINK during Direct TV REC.
 Recording may not be performed normally.
- If some cases, it may not be possible to change the TV channel during Direct TV REC.
- Check beforehand whether the tape may be used for recording.

Timer Recording

Timer Recording

This function allows you to record programmes automatically.

There are three ways to record programmes: ShowView programming, where you enter the ShowView number, and On Screen Display recording, where you enter the recording information yourself while viewing the On Screen Display.

ShowView Programming

converted in the actual programming.

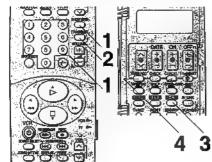
Programming in now easier than ever; simply enter the ShowView number provided in the programme schedule carried by newspapers and magazines. ShowView numbers are numbers which are assigned to each programme listed in the TV programme schedule carried in newspapers and TV guides. When these numbers are entered and TRANSMIT is pressed, the numbers are



Preparations

23

- · Insert a video cassette with the closed record prevention
- . Confirm that the TV is on and the VCR viewing channel is



Follow the on screen operation guide

Operations

Press SHOWVIEW and then enter a ShowView number using the numeric buttons.

Example: 920126

Diaptay Symbols

· If you have entered the wrong ShowView number, repeat step 1 with the correct ShowView

Press TRANSMIT.

1 medigenylen							
Foe Name	ENTE		쀖	8#	쁂	WPS PDC	-
AP(c)	27/74	٧,	45:00	16.20	5P		_
100	_		84 84			444	-
	-	•	-	TWEE	-	***	***
_	\rightarrow	_			_	_	-
_	\rightarrow	_	\rightarrow	-	_	_	$\overline{}$

- . The Programming data that you entered also appears on the VCR display.
- . To extend the ending time or to make any corrections, use ▲ ▼ ◀ ► or VPS/PDC.
- See page 35 for VPS/PDC recording.

If "--" appears in the programme position: Use ▲ or ▼ to select the programme position of your VCR which receives the required TV station.

 A message appears on the On Screen Display for the first few seconds



- III flashes as a warning on the VCR display.
- Once programming is performed after the programme position has been selected here, the guide channel will be automatically stored so that the correct position will appear when the ShowView code for this station is next entered.

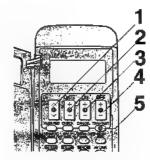
Press OK for confirmation.

Press TIMER REC to activate timer recording.

• Check that (3) is lit on the VCR display. If it is flashing, check the timer recording details again. (See page 34.)

- To select the desired tape speed, press SP/LP in step 1.
- To cancel standby mode, press TIMER REC.
- When the ShowView number is used for programming, the recording time may be slightly longer than the actual programme time.
- When programming the recording of two or more programmes, repeat steps 1-3.
- The procedures for checking, modifying and cancelling a timer programme are the same as on page 34.

Using the Remote Controller



Preparations

- Insert a video cassette with the closed record prevention
- · Confirm that the TV is on and the VCR viewing channel is selected.

For Example:

Programme position (channel): Date: 27th October Starting time: 20:00 Ending time: 21:00 (Present date:16th October)

Operations

0

Set the programme position (channel) to "2".



Set the date to "27/10".



Set the starting time to "20:00".



 When it is kept pressed, the indication changes 30-minute intervals.

Set the ending time to "21:00".





Press TRANSMIT





- To release from the standby mode, press TIMER
- See page 35 for VPS/PDC recording.
- . To make a change to what has been programmed (for instance, to change VPS/PDC to ON or OFF), follow the procedure for On-Screen Display Programming, (See page 33.)

To select the desired tape speed, press SP/LP in any of steps 2-4.

Weekly Timer Recording

In step 2, select the desired day by pressing DATE (-). (SU=Sunday, MO=Monday, TU=Tuesday, WE=Wednesday, TH=Thursday, FR=Friday, SA=Saturday)

Daily Timer Recording

For this timer function, several groups of days can be

- (A) Daily recording from Monday to Friday (MO-FR)
- (B) Daily recording from Monday to Saturday (MO-SA)
- (C) Daily recording from Sunday to Saturday (SU-SA)
- In step 2, select the desired days by pressing DATE (-).

Timer Recording from External Signal Source

If Timer Recording is performed by a unit connected to AV1. (TV), AV2(EXT/DECODER) socket or AV3 (Audio/Video/S-Video input sockets), select A1, A2 or A3 for the programme position.

- Through the AV1 (TV) socket.
- Through the AV2 (EXT/DECODER) socket.
- Through the AV3 (AUDIO IN/VIDEO IN/S-VIDEO IN) sockets on front panel.
- . Timer Recording is not possible if DV IN is set to the programme position.

Using On Screen Display

Up to 8 timer programmes can be recorded up to one month in advance by setting the timer, including weekly and daily

Preparations

- Insert a video cassette with the closed record prevention
- . Confirm that the TV is on and the VCR viewing channel is selected.

For Example:

Programme position (channel): 27th October Starting time: 20:00 Ending time: 21:00



Set the VCR/TV switch to VCR.

Follow the on screen operation guide.

Operations

28

- Press CHECK.
- Select the unoccupied position, and then press OK. On Screen Display



Set the programme position (channel)





Set the date to "27/10".



Set the starting time to "20:00".





- · When it is kept pressed, the indication changes in 30-minute intervals.
- Set the ending time to "21:00".



Select the desired Tape speed (SP/



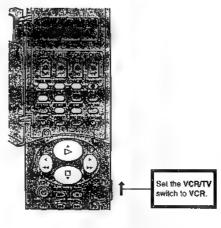


Set VPS/PDC to ON or OFF (---) See page 35 for VPS/PDC recording.



- Press OK for confirmation.
- Press TIMER REC to activate timer recording.
 - When the On Screen Display for programming timer recording turns off, the recording Information is automatically sorted in the order of recording start times.
 - . Check that [3] is lit on the VCR display. If it is flashing, check the timer recording details again. (See page 34.)

To cancel from the standby mode, prese TIMER REC.



Weekly Timer Recording

In step 4, select the desired day by pressing ▼. (Su=Sunday, Mo=Monday, Tu=Tuesday, We=Wednesday, Th=Thursday, Fr=Friday, Se=Saturday)

Daily Timer Recording

For this timer function, several groups of days can be selected.

- Daily recording from Monday Friday (Mo-Fr)
- B Daily recording from Monday to Saturday (Mo-Sa)
- Dally recording from Sunday to Saturday (Su-Sa) In step 4, select the desired cays by pressing ▼.

Timer Recording from External Signal Source

Il Timer Recording is performed by a unit connected to AV1 (TV), AV2(EXT/DECODER) socket or AV3 (Audio/Video/S-Video input sockets), select A1, A2 or A3 for the programme position.

- A1: Through the AV1 (TV) socket.
- Through the AV2 (EXT/DECODER) socket.
- Through the AV3 (AUDIO IN/VIDEO IN/S-VIDEO IN) sockets on front panel.
- . It is also possible to select by pressing INPUT SELECT. · Timer Recording is not possible if DV IN is set to the
- programme position.

Setting other Programmes

Repeat steps 2-9 on page 33.

Checking a Timer Programme

Confirm that the TV is on and the VCR viewing channel is selected.

- 1 Press CHECK.
 - The On Screen Display may be distorted in the VPS/ PDG recording standby mode.
- 2 Press CHECK or EXIT to exit the On Screen Display.

On Screen Dients

POS. STORY	\$#F	35	¥86	<u>fully</u>
20F 77M0 We 2010 40FD Se 210	0 21.00 2 23.00	SP UP	OH:	80 30
====	Ξ	Ξ	Ξ	Ξ

Modifying a Timer Programme

- During timer recording, this operation will not work.
- . Confirm that the TV is on and the VCH viewing channel is selected.
- 1 Press CHECK.



- 2 Select the desired timer programme.
- 3 Modify the programme, following the method described In steps 2-6 on page 33.
- 4 Press OK.
- 5 Press CHECK or EXIT to exit the On Screen Display.

Cancelling a Timer Programme

- During timer recording, this operation will not work.
- Confirm that the TV is on and the VCR viewing channel is selected.
- 1 Press CHECK.



- 2 Select the desired timer programme.
- 3 Press CANCEL.



4 Press CHECK or EXIT to exit the On Screen Display.

Notes:

- . If timer recording does not reach the end (due to insufficient tape or cancellation by the user), the programmed timer recording data will be erased from the memory by 4 a.m. the next day.
- · Either the position number or the station name is displayed here.



· For daily and weekly timer recording, the recording time for only one recording session is displayed.

Checking the Remaining Tape Time

This displays the remaining time for the inserted tape.



Remainia time indicator

· This indicator is not displayed unless the remaining tape time has aiready been indicated on the VCR display. Refer to page 29.

VPS (Video Programme System)/PDC (Programme Delivery Control)

The Video Programme System (VPS) or the Programme Delivery Control (PDC) is a very convenient system which assures that the TV programmes you have programmed for timer recording will be recorded exactly from beginning to end, even if the actual broadcasting time differs from the scheduled time due to delayed start or extension of the programme duration. Also, if a programme is interrupted and, for example, some special news is inserted, the recording will also be interrupted automatically and resumed when the programme continues.

Depending on the signals sent from the broadcasting atations, the VPS/PDC system may not operate properly even when VPS/PDC has been set to ON. Please check with the broadcasters in your area for details.

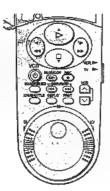
. In the case of VPS/PDC recording, use the correct time (VPS/PDC time) for recording the TV programmes. Set VPS/PDC to OFF when the recording time in not the correct time (VPS/PDC time). VPS/PDC recording is not performed when the time (VPS/PDC time) is incorrect, even if only by one minute. To find out the correct time (VPS/PDC time), consult a newspaper or magazine, or other source.

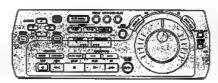
- If the actual broadcasting times of timer recordings overlap (regardless of whether they are VPS/PDC controlled), the recording that starts first always has priority, and the recording of the later beginning programme will start only after the first timer recording
- · When the VPS/PDC signal drops out because the broadcast signal is weak, or when a broadcasting station does not transmit a regular VPS/PDC signal, the timer recording will be performed in the normal mode (without VPS/PDC) even if it was programmed for VPS/PDC. In this case, even if the timer recording is performed, whatever has been programmed will not be cancelled at that particular time but at 4 a.m. on the following day.
- The start times of scheduled programmes listed in the newspaper or magazine may be changed at a later date. Set VPS/PDC to OFF when programming a programme whose start time has been subsequently changed. Particular care must be taken in this respect with ShowView programming since VPS/PDC is automatically set to ON in some countries.
- · If a programme listed in a newspaper or magazine has two ShowView numbers, use the ShowView number for VPS/PDC if you wish to proceed with VPS/PDC recording using ShowView programming.
- . The default settings for VPS/PDC differ depending on the country concerned. Refer to the table below.

Programming method Selected Country	ShowView programming	Changes in ShowView program— ming start time	Non- ShowVlew program- ming
France, Belgium, Netherlands, Sweden, Denmark, Finland, Norway	ON	OFF	OFF
Germany, Switzerland, Austria, other countries	ON	ON	ON
italy, Spain, Portugal	OFF	OFF	OFF

• "---" appears for the VPS/PDC item at the cutset if the broadcasting station is not transmitting VPS/PDC signals.

Search Functions





Index Search System

It is easy to find the beginning of each recording because a special index signal is recorded at the start of each recorded segment on the taps.

For example:

Searching for the 2nd recorded segment in the forward direction.

1 Press SEARCH SELECT so that "--" appears on the VCR display.

(This operation is performed while the VCR is in the stop mode or normal playback mode.)



- 2 Press INDEX/PHOTO ►► twice.
 - · After finding the specific recorded segment, playback starts automatically.

To stop the operation at any time Press [] (STOP).

- For the reverse direction, press INDEX/PHOTO I→ Up to 20 index signals can be searched for in either direction.
- When the opposite INDEX/PHOTO is pressed, the number shall be decreased until 1 is reached.
- The figure on the display is reduced by 1 each time an index signal is located.
- . The INDEX search function carr only work correctly if the index signals are spaced at least 5 minutes apart.
- · Repeat the procedure if the Index signal for the specified number is not found

Recording Index Signals

Index signals are recorded in the following cases.

- When a recording is started by pressing REC (REC/
- When timer recording is activated.
- When REC on the remote controller or the aditing. controller is pressed during recording.

Photoshot Index Search System

Photo shot index signals are automatically recorded when a Panasonic Digital Video Camera is used for photo shot mode. Photo shot images are searched using these signals, and when such an image is located, the image is played back as a still picture.

For example:

Searching for the 2nd photo shot image in the forward

1 Press SEARCH SELECT so that "P -- " appears on the VCR display.



- 2 Press INDEX/PHOTO ►► twice.
- The image
 ■ be viewed will be found.



- For the reverse direction, press INDEX/PHOTO ►
- Any of up to 20 images ahead on the tape can be designated.
- When the opposite INDEX/PHOTO in pressed, the number shall be decreased until 1 is reached.
- . The figure on the display is reduced by 1 each time an index signal is located.
- If may not be possible to search for a particular image. properly III photo shot images have been recorded continuously.
- At every presa of the corresponding button, the tape is fast-forwarded or rewound to the next still picture recorded in the Photoshot Mode. After reaching the next still picture, the still picture is

played back continually together with the sound (only for approx. 4 seconds).

Display Symbols

Preparation

· Connect a video printer to this VCR as shown.



Video Printer:

- 1 Turn the Video Printer on,
- Make the necessary settings on the Video Printer according to the input signal.

VCR

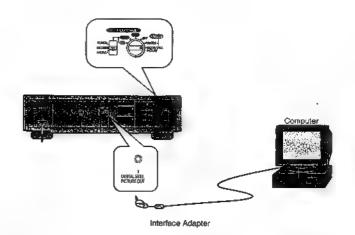
- 3 Turn the VCR on.
- 4 Set EDIT CONTROL to PRINTER.
- 5 Press D (PLAY).
- 6 Search for the pictura from which you would like to print, and then press PAUSE/SLOW.
- 7 Press PRINT.

Notes:

- · Read the operating Instructions of the Video Printer.
- The OSD and DATE/TIME display are also printed out. If a picture without these displays is required, proceed as follows.
- . Set OSD on the VCR's Main menu to OFF.
- Press DATE-OFF/ON on the remote controller or editing controller.
- Printing cannot be stopped at any point in time until it is completed
- For printing, screens cannot be divided and the zoom function cannot be used.

Using the VCR with a Computer

The Personal Computer Connection Kit VW-DTA1E (Optional) for Digital Video Equipment makes it possible to connect the VCR to a computer and transmit still video images to it.



Computer System Requirements

DV STUDIO can be installed in a PC/AT personal computer which can run Microsoft® Windows® 95.

Compatible machines: Personal computer with

80486DX4 or higher CPU(Pentium™ or higher

racommended)
Graphic card: True Color (approx.16,7million

colours) recommended (operation also possible even

with 256 colours)

Installed memory: 16 MB or more (32 MB or more recommended)

Free hard disk space: At least 10 MB
Disk drive: CD-ROM drive
Serial port: RS-232C (D-Sub 9pin)

Other requirements: Mouse

To connect the VCR to the computer, use the special Interface Adaptor contained in the Personal Computer Connection Kit

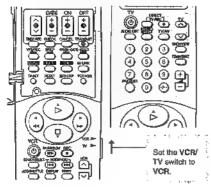
- Pictures that you intend to import into a computer application should be recorded in the SP Mode.
- When recording, take care that the Time code is uninterrupted from the beginning of the tape.
- Windows® 95 is a trademark of Microsoft Corporation U.S.A.
- Pentium™ is a trademark of Intel Corporation.
- All office company and product names in the operating instructions are trademarks of their respective

corporations.

If VCR is not correctly tuned by Auto Setup, follow the procedure below.

Preparations

- . Confirm that the TV is on and the VCR viewing channel is selected.
- . Turn on the VCR.



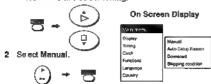
Manual Tuning Procedure

Follow the on acreen operation guide.

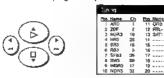
When deleting stations, adding "blank" positions and changing (moving) the programme position:

These indications do not appear on the screen after performing Preset Download (Download).

1 Press MENU and select Tuning.



3 Select the desired programme position.



4 Follow the steps indicated below.



Delete: Press VPS/PDC (red) to delete the station. Press SP/LP (green) to add ■ blank position Press DATE-OFF/ON (yellow) to change (move) the programme position.

- · The blue indication represents no function.
- These indications do not appear after performing. Preset Download (Download).
- 5 Press OK, and then press EXIT.

Changing the Programme Position (Pos)

Follow 1 to 3 in the first procedure. 4 Press OK and then select Pos.

. Be sure that the VCR/TV switch is set to VCR.



- 5 Press OK to confirm.
- B Press MENU, and then press EXIT.

Changing the Channel (Channel)

Follow 1 iii 3 in the first procedure.

- 4 Press OK and then select Channel.
- Be sure that the VCR/TV switch is set to VCR.



- 5 Press OK to confirm.
- Press MENU, and then press EXIT.

Changing the Station name (Name)

Follow sleps 1 to 2 on page 39.

3 Select the station(s) name *□□□□. Establish which channel you are viewing by checking your TV Guide/Newspaper.



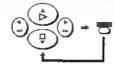
On Screen Display

◆ "□" indicates the position number or station name. This is the same as steps 4 and 5.



Enter characters into all five * □□□□ positions from the table using the arrows and press OK after each character. Use a blank space if required. To enter a blank, select the area between Z and *.

 To cancel during entry, press EXIT. The characters that have been entered will remain as the station name. Enter the correct station name as failure to do so may result in malfunctioning.



- 5 Press MENU. If any other station names are marked * □□□□, repeat steps 3-5.
- 6 Press EXIT.

Fine Tuning

Follow steps 1 to 3 on page 39.

4 Press OK and then select Fine tuning.

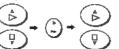


- 5 Press ▲ or ▼ to obtain the best tuning condition. . To return the tuning to its former state (AUTO), press .
- 6 Press OK to confirm.
- 7 Press MENU, and then press EXIT.

Decoder

Follow steps 1 to 3 on page 39.

- 4 Press OK and then select Decoder ON or Decoder
 - To preset pay TV stations. OFF: To preset normal TV stations.

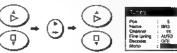




- 5 Press OK to confirm.
- 5 Press MENU, and then press EXIT.

Changing the Recording Sound (Mono) Follow steps 1 to 3 on page 39.

- 4 Press OK and then select Mono OFF.
 - Select Mono ON record the normal sound during a stereo, bilingual or NICAM broadcast or III the stereo sound is distorted due to interior reception conditions,



- 5 Press OK to confirm.
- Press MENU, and then press EXIT.

Notes:

- When channels have been set with Manual Tuning, the channel position will need to be entered the first time ShowView is used.
- If you change the tuning details of the TV after Manual Tuning has been performed on the VCR, the new Information may be automatically downloaded to the VCR, and the input content of Manual Tuning may be erased. If this happens, perform VCR Auto Setup or Downloading and then repeat Manual Tuning.

Channel Plan

Channel	TV Channel		
Indication	Germany/itely	Other Countries	
2-12	'E2-E12	E2-E12	
13-20	A-H (Only Italy)	-	
21-69 21-69		21-69	
74-78	S01-S05	\$1-5	
80-82	S1-S3	M1-M3	
63-89	\$4-\$10	M4-M10	
90-99	S11-S20	U1-U10	
121-141 Hyperband	**821-841	821-841	

"In Italy: H1...(11), H2...(12)
"Only for 8 MHz charmel raster

 This channel plan has been designed for continental Europe, and may differ according to the region.

Auto-Setup Restart

When your address changes, follow the procedure below.

1 Press MENU and select Tuning.



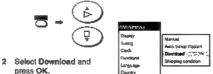
3 Press OK again.

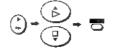


Download

To perform downloading again, follow the procedure below in the stop mode.

1 Press MENU and select Tuning.





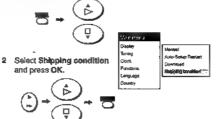
3 Press OK again.



Shipping Condition

If you want to return the VCR to the factory-preset condition, follow the procedure below.

1 Press MENU and select Tuning.



3 Press OK twice.

Note:

To re-tune the VCH, disconnect and then reconnect the mains lead.

Setting the Clock of Your VCR

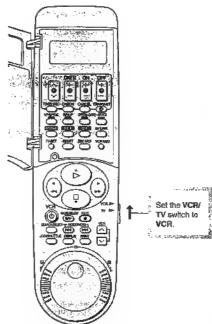
The built-in clock is used to activate the timer for automatic recording and must be set to the correct time.

The built-in digital clock employs the 24-hour system. If VCR is not correctly set by Auto Satup, follow the procedure below.

The clock backup system operates for at least 60 minutes in the event of power failure.

Preparations

- Confirm that the TV III on and the VCR viewing channel is selected.
- . Turn on the VCR.



Manual Clock Setting

Operations

Press MENU, and then select Clock.
On Screen Display



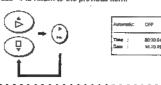
Check that the Automatic setting is OFF, then press OK.

 If the setting is ON when you open the On Screen Display, do not turn it OFF, as then you will not be able to set the time automatically.



Set Time and Date.

Press ◀ to return to the previous item.



4 Press OK to confirm.

5 Press EXIT.

Note:

When the Automatic setting is OFF, the time may become incorrect. If this happens, reset it following the method described above.

Automatic Clock Setting

When "Automatic" is set to ON, the automatic time correcting function is activated every day. The automatic time correcting function is only activated when the power is off.

This function is not activated during timer recording standby mode,

Note:

Even if "Automatic" III set to ON, if the time iII incorrect, theck first that the country has been selected correctly (see page 46), re-set "Automatic" to ON following step 2, then always press OK.

Settings Using On Screen Display

The VCR indications shown on the TV screen are known as the On Screen Display (OSD).

This VCR allows many settings to be made at the OSD.

Preparations

- Confirm that the TV III on and the VCR viewing channel is selected.
- Turn on the VCH and TV.

Display

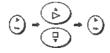
Channel Guide

1 Press MENU, and then select Display.



2 Select Channel Guide.

On Screen Display





3 Select ON or OFF.



ON: The Channel Guide will appear for a few seconds each time the channel is changed with VA.

channel is changed with 🔨,
The Channel Guide will not appear.

4 Press EXIT to exit the On Screen Display.

OSD

1 Press MENU, and then select Display.

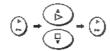


On Screen Display

Only

Charles
Chox.
Functions
Chox.
Functions
Chox.
VCR display: DMAEBO
Country

2 Select OSD.



3 Select AUTO, ON or OFF.



AUTO: * The On Screen Display will appear on the TV acreen for a few seconds when you operate

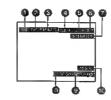
the VCR.

N: The On Screen Display will always appear on the TV screen when you perform the VCR.

The On Screen Display will not appear.

4 Press EXIT to exit the On Screen Display.

To use the On Screen Display:



- TV station
- Video system
- STEREO, M1 or M2 Indicator When receiving a TV programme with the Stereo, Billinguel or NICAM sound system, the type of sound system illimited it is broadcast is automatically indicated.

STEREO:

When receiving a Stereo/NICAM

stereo broadcast.

M1/M2: When receiving a Bilingual/NICAM

dual-sound broadcast.

When receiving a NICAM monaural

broadcast.

Audio Data Indicator
 Audio Output Mode Indicator

The Left (L) and Right (R) Indicators show which sound mode is selected with AUDIO OUT

(see page 8).

Stereo: Both the L and R Indicators appear.

Left: The L Indicator appears. Right: The R Indicator appears.

Tape speed Indicator

Audio Monitor Indicator

STEREO1: 12bit STEREO1 sound STEREO2: 12bit STEREO2 sound

MIX: STEREO1 and STEREO2 mixed sound

Tape running display

Stop, Eject	
Rewind	44
Fast Forward	>>
Playback	•
Reverse Playback	4
Reverse Slow Playback	41
Slow Playback	II•
Still Playback, Pause	li .
Recording	•

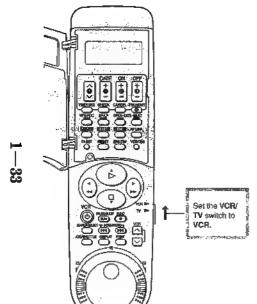
Present time/Time code/Remaining tape time/ Tape counter/Index/Photoshot Index Search/ One-Touch Recording (OTR)

Present time	17:24:31 TC 0h25m32s04f	
Time code		
Remaining tape time	REMAIN: 1:16	
Tape counter	-1:35,47	
Index/Photoshot index Search	>> ■	
One-Touch Recording (OTR)	OTR 60	

Index/Photoshot Index Search Indicator

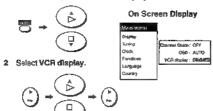
Notes:

- When the item OSD is set to OFF, the On Screen Display will not appear.
- When the AV position (A1, A2, A3 or DV IN) has been selected or during playback, the On Screen Displays (♠,♠,♠) do not appear.
- On Screen Display is not displayed when the SET UP or EDIT MENU screen is displayed.
- On Screen Display (②) is not displayed while playing a tape that was recorded in 16bit audio mode.
- When a wide-display TV is used as a monitor, parts of the On Screen Display may not be visible depending on the type of broadcast (16:9, PAL Plus) received.



VCR display

1 Press MENU, and then select Display.



3 Select ON, OFF or DIMMED.



ON: When VCR is turned off, the characters are Ift

im the VCR display.

OFF: When VCA is turned off, the characters are

not ■ in the VCR display.

DIMMED: When VCR is turned off, the characters are

dimmed in the VCR display.

4 Press EXIT to exit the On Screen Display.

Functions

1 Press MENU, and then select Functions.





3 Select EXT or DECODER.



EXT: When another VCR or a satellite

receiver is connected to the AV2

(EXT/DECODER) socket.

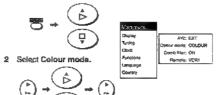
DECODER: When the decoder is connected to the

AV2 (EXT/DECODER) socket.

4 Press EXIT to exit the On Screen Display.

To Set the Colour Mode

1 Press MENU, and then select Functions.



3 Select COLOUR or B/W.



COLOUR:

When performing recording and playback in colour.

B/W:

When performing recording and playback in black-and-white.

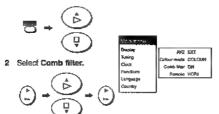
4 Press EXIT to exit the On Screen Display.

Note:

When Colour mode is set to B/W, the On Screen Display will be displayed in black-and-white.

Comb filter

1 Press MENU, and then select Functions.



3 Select ON or OFF.



ON: Set to increase detail. Normally set to this

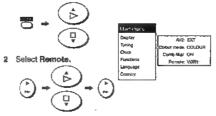
position.

OFF: Set to reduce picture noise.

4 Press EXIT to exit the On Screen Display.

To Set the Remote mode

1 Press MENU, and then select Functions.



3 Select VCR1, VCR2 or VCR3.

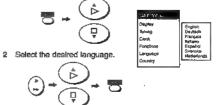


This allows the remote controller to be set for operating VCR1, VCR2 or VCR3.

- When changing the remote control mode, press VCR1/2/3 to change the remote control mode of the remote controller. If this imnot done, it will not be possible to operate the VCR using the remote controller.
- 4 Press EXIT to exit the On Screen Display.

Language

1 Press MENU, and then select Language.

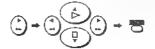


3 Press EXIT to exit the On Screen Display.

Country

1 Press MENU, and then select Country.





3 Press EXIT to exit the On Screen Display.

Editing Functions

Using this VCR, 4 types of One-Touch-Edit, 3 types of Manual Editing and 3 types of Programme Editing can be selected.

■ Programme Editing, after setting the edit start/end point, editing can be performed automatically. Edit programmes can be set up to 10 scenes for each editing function (40 scenes for Assemble editing).

One-Touch-Edit

- Assemble Editing (page 62)
- Insert Editing (Video, Audio, AV) (page 64)
- Audio Dubbing (page 64)
- # Audio Mixing (page 66)

Manual Editing

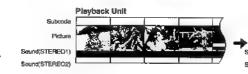
- Copying (page 68)
- Insert Editing (Video, Audio, AV) (page 70)
- Audio Dubbing (page 72)

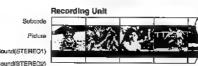
Programme Editing

- Assemble Ediling (page 74)
- Insert Ediling (Video, Audio, AV) (page 78)
- Audio Dubbing (page 82)

Copying

Allows the re-recording (copying) of the picture and sound from one tape onto another tape.





Performing the Copying operation on a tape that was recorded in 12bit audio mode.

Video Insert

Allows the partial replacement of the picture on a recorded tape. Sound is left III its original state.

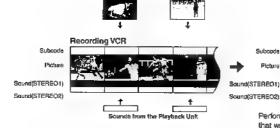
Audio Insert

Allows the partial replacement of sound on a recorded tape. Picture is left in its original state.

AV Insert

Allows the partial replacement of the picture and sound on a recorded tape.

Pictures from the Playback Unit





Performing the AV Insert editing operation on a tape that was recorded in 12bit audio mode.

Audio Dubbing

Allows the addition of the new sound on the STEREO2 track of a recorded tape. The original sound in left on the STEREO1 track.



Performing the Audio Dubbing operation on a tape that was recorded in 12bit audio mode.

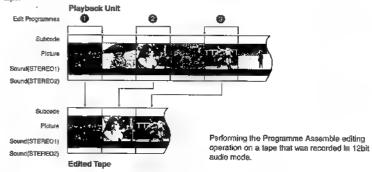
Audio Mixing

Allows the mixing of the the original sound on the STEREO1 track with the new sound from the external recording source and recording the mixed sound on the STEREO2 track of mecorded tape. The original sound in left on the STEREO1 track.



Assemble Editing

Allows the required scenes (picture and sound) to be picked up from a recorded tape and recorded iii any desired order onto another tape.



Creating the Tapes For Editing

In order to operate editing functions correctly, use these tapes for editing as follows:

- Tape on which the picture and sound have been recorded properly for about 20 seconds prior to the edit start point: [Playback unit] [Recording unit]. This VCR first rewinds the tape to the section prior to the edit start point and then commences editing. For this reason, accurate editing cannot be performed if the tape has been left blank or if the picture and sound have not been recorded properly for 20 seconds prior to the edit start point.
- Tape on which the Time code has been recorded continuously: [Playback unit] [Recording unit]
- If the recording is broken up or if the tape is blank in places, the Time code will lack continuity, and editing will be aborted.
- Tape which was recorded in SP mode: [Recording unit]
 (This applies in Insert, Audio Dubbing and Audio Mixing only.)
 The above types of editing operations cannot be performed on a tape which was recorded in the LP mode.
- Tape which was recorded in the 12bit audio mode: [Recording unit] (This applies to AV Insert, Audio Dubbing and Audio Mixing editing only.)
 The above types of editing operations cannot be performed on a tape which was recorded in the 16bit audio mode.

When a tape which was recorded on another video recorder is used for Insert, Audio Dubbing or Audio Mixing editing operations, the sound may deteriorate and the picture may be disturbed.

If tapes answering to the above description are not available, proceed with dubbing by following the steps below to create the tapes for editing.

- Load the original cassette tape into the playback unit and the new cassette tape into the recording VCR (the AG-DV2700).
- 2 Connect the playback unit and recording VCR (the AG-DV2700). For the connection, use the DV cable when the contents of the original cassatte are to be copied using their original digital signals, and use the AV cable when the contents are to be copied using the signals from the video and audio sockets. (To dub a 16bit audio tape and make a 12bit audio tape, connect the units using the AV cables, and proceed with the dubbing.)
- 3 Check that EDIT CONTROL is at the OFF position.
- 4 Set the VCR's tape speed to SP.
- 5 Record a blank picture for about 20 seconds.
 Set the playback unit to the stop mode, set INPUT SELECT on the recording VCR (the AG-DV2700) AZ or A3, and start recording.
- 6 Switch over the input of the recording VCR (the AG-DV2700). If the DV cable was used for the connection in step 2, switch over to "DV IN"; if the AV cable was used, switch over to A1, A2 or A3.
- 7 Press the play button on the playback unit to start playing the original tape.
- 8 Press REC (REC/OTR) on the recording VCR (the AG-DV2700) to start dubbing.

Note:

- Digital copying using a DV cable yields a picture quality which undergoes hardly any deterioration at all
- If a digital video tape is dubbed without connecting the DV cable, the original subcode data (Photoshot index signals, date information, etc.) will not be copied.
- The Time code is simultaneously recorded over the sub-code of the tape when the tape in recorded. Also recorded in the sub-code are the photoshot index signals, information on the recording date, etc.

For further details on the Time code, see page 92.

Notes:

- · Before connecting any cables, first make sure that the power for both units is off.
- . Insert a recorded cassette into the playback unit, and a cassette with the closed record prevention tab into the VCR.
- . If the playback unit is connected to the recording unit via an S-VIDEO cable, the video signal on the S-VIDEO cable takes priority. If the playback unit does not have an S-VIDEO socket do not connect the S-VIDEO cable to the AG-DV2700.
- If units are connected to the VIDEO input sockets on both the front and rear of this VCR, the rear video inputs are automatically switched off.
- Use of an AC adaptor as the power source for the Digital Video Carnera is recommended. Doing so avoids a situation where the camera shuts down due to low battery
- . It is recommended that the DV cable be disconnected for editing with INPUT SELECT set to A1-A3. If INPUT SELECT is set to A1-A3 with the connections shown in the figure left unchanged, the TV picture may be disturbed or noise may occur. (This has no effect on the actual editing operations.)
- · When the units are connected using the DV cable and editing is performed, some editing functions will differ compared with when the units are connected using the AV cable. Refer to Glossary of Terms on page 92.

- When performing editing by connecting the units via a 21pin scart cable, set the AV2 setting EXT. See page 45.
- Read the operating instructions of the Digital Video
- Do not change the EDIT CONTROL or EDIT MODE settings while performing setting or editing operations at the SET UP or EDIT MENU screens. Be sure to guit these screens before changing these settings.
- · When using a Panasonic Digital Video Camera as the playback unit, the following editing functions can be used by connecting the camera to the AG-DV2700 with just a DV cable:

Copying

Video Insert

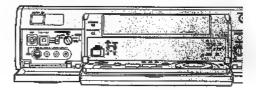
Audio Insert

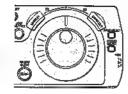
Assemble

In this case, simply set INPUT SELECT to DV IN, and set EDIT CONTROL to DV.

(This function may not operate properly with some

. Use Time codes for Programme Editing when the playback unit is connected to the AG-DV2700 via only a DV cable.





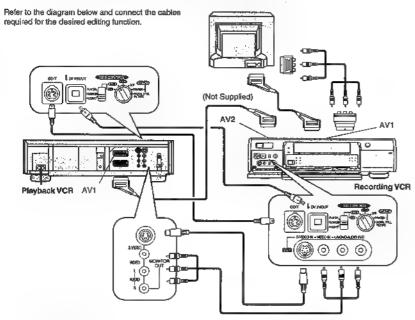
Playback Unit (Digital Video Camera)		Recording Unit (the AG-DV2700)	
1	Turn the power on.	1	Turn the power on.
2	Make the Time code appear on the LCD monitor or the viewfinder.	2	Set EDIT MODE to RECORDER.
3	Prepare the tape for playback.	3	Set EDIT CONTROL to EDIT.
		4	Press INPUT SELECT on the editing controller so that DV IN is selected. • When performing Audio Dubbing or AV Insert, select A2 or A3.

50

51

Connecting Two Digital Video Cassette Recorders (Both This Model)

Example for connecting two AG-DV2700s, when controlling the playback VCR through the recording VCR.



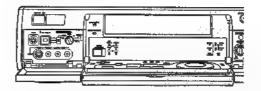
Notes:

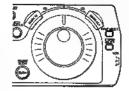
- Before connecting any cables, first make sure that the gover for both VCRs is off.
- Insert a recorded cassette into the playback VCR, and a cassette with the closed record prevention tab into the VCR.
- When the units are connected using the DV cable and ediling is performed, some editing functions will differ compared with when the units are connected using the AV cable. Refer to Glossary of Terms on page 92.
- Use Time codes for programme editing when the playback VCR is connected to the AG-DV2700 via only a DV cable.
- When performing editing by connecting the units via a 21pin scart cable, set the AV2 setting to EXT. See page 45.
- It is recommended that the DV cable be disconnected for editing with INPUT SELECT set to A1-A3. If INPUT SELECT is set to A1-A3 with the connections shown in the figure left unchanged, the TV picture may be disturbed or noise may occur. (This has no effect on the actual editing operations.)
- If one of either the 21-pin scart cable or the AV cable is connected, it is not necessary to connect the other.
 If both cables are connected, electronic noise may be generated when the playback VCR and the recording VCR are in stop mode. Although this noise will not have any effect on the actual editing operations, if it does become annoying, set the INPUT SELECT on the playback VCR to a position for which no cable is connected.

- When the connections and setting are made as shown above, then;
- The Timer recording On Screen Display cannot be displayed on the playback VCR.
- The D (PLAY), D→ (FAST FORWARD), REC (REC/OTR), and the other such buttons on the playback VCR or the remote controller cannot be used to control the playback VCR directly. In order to permit direct control, set EDIT CONTROL on the playback VCR to OFF.
- Do not change the EDIT CONTROL or EDIT MODE settings while performing setting or editing operations at the SET UP or EDIT MENU screens. Be sure to quit these screens before changing these settings.
- The tollowing editing functions can be used by connecting the playback VCR with just a DV cable: Copying

Video Insert Audio Insert

Assemble
In this case, simply set INPUT SELECT to DV IN, and set
EDIT CONTROL to DV.





Turn the power on.

Set EDIT MODE to PASSIVE.

2 Set the EDIT MODE to RECORDER.

Recording VCR



Set EDIT CONTROL to EDIT.

3 Set EDIT CONTROL to EDIT.

Press INPUT SELECT on the editing controller so that DV fN is selected.

When performing Audio Dubbing or AV Insert.

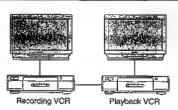
select A2 or A3.

Controlling the Recording VCR through the Playback VCR

Follow the procedure described below:

Playback VCR

- Connect the edit cable to the EDIT socket on both the playback VCR and the recording VCR.
- Use 21pin-scart cable or AV cables to connect the input sockets on the recording VCR with the output sockets on the playback VCR.
- Connect two TVs, one to each of the VCAs, so that the screens from both VCAs can both be seen.
- Set EDIT CONTROL on both the playback VCR and the recording VCR to EDIT.
- Press INPUT SELECT on the playback VCR and select a position to which a cable is not connected.
- Set EDIT MODE on both VCRs as follows: Playback VCR: PLAYER Recording VCR: PASSIVE

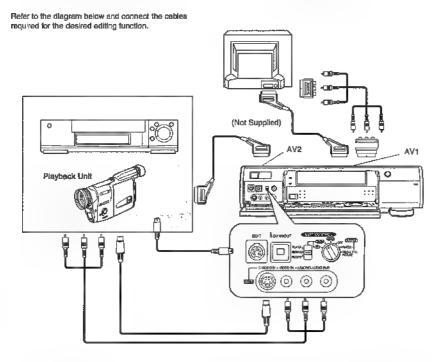


Notes:

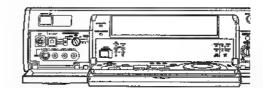
- When this connection is made, the recording VCR cannot be controlled using the DV cable.
- Although noise may appear on the screen, depending on the connections, the noise has no effect on the actual editing operations.
- Audio Insert and AV Insert are not possible in this configuration.
- When performing editing with this connection, the editing accuracy may be worse than when controlled from the recording VCR.

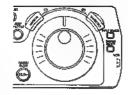
Connecting an S-VHS (VHS) Video **Equipment with an Edit Socket**

Example for connecting an S-VHS (VHS) video equipment with an Edit socket as the playback unit, when controlling the playback unit through the recording VCR (this unit).



- · Before connecting any cables, first make sure that the power for both units is off.
- Insert recorded cassette int■ the playback unit, and a cassette with the closed record prevention tab into the
- If the playback unit is connected to the recording unit via an S-VIDEO cable, the video signal on the S-VIDEO cable takes priority. If the playback unit does not have an S-VIDEO socket do not connect the S-VIDEO cable to the AG-DV2700.
- . If units are connected to the VIDEO input sockets on both the front and rear of this VCR, the rear video inputs are automatically switched off.
- When performing editing by connecting the units via a 21pin scart cable, set the AV2 setting to EXT. See page 45.
- . If one of either the 21-pin scart cable or the AV cable is connected, it is not necessary to connect the other. If both cables are connected, electronic noise may be generated when the playback VCR and the recording VCR are in stop mode. Although this noise will not have any effect on the actual editing operations, if it does become annoying, set the INPUT SELECT on the playback VCR to a position for which no cable is
- Read the operating instructions of the playback unit. . Do not change the EDIT CONTROL or EDIT MODE settings while performing setting or editing operations at the SET UP or EDIT MENU screens. Be sure to guit these screens before changing these settings.
- . When using this VCR as the recording VCR and performing editing by connecting the units via the AV cable or a 21-pin Scart cable, the On Screen Display (date/time, Time Code) may scroll vertically when still playback or slow playback are performed by the playback VCR.





Playback Unit (S-VHS (VHS) Video Equipment with an Edit socket)

Turn the power on.

Set the unit so that it is ready to be controlled.

· Read the operating instructions of the playback unit and make the necessary settings.

Recording VCR (the AG-DV2700)

Turn the power on.

Set EDIT MODE to RECORDER.

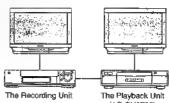


Set EDIT CONTROL to EDIT.

Press INPUT SELECT on the editing controller so that A3 is selected. If the playback unit is connected to the external input on the rear of the AG-DV2700, select A2.

Connecting the AG-DV2700 as the Playback VCR to an S-VHS (VHS) VCR Follow the procedure described below.

- Connect the edit cable to the EDIT socket on both the playback VCR and the recording VCR.
- Use 21pin-scart cable or AV cables to connect the output sockets on the AG-DV2700 with the input sockets on the S-VHS (VHS) VCR
- . Connect two TVs, one to the AG-DV2700 and one to the S-VHS (VHS) VCR, so that the screens from both VCRs can both be seen.
- Set EDIT CONTROL on the AG-DV2700 to EDIT.
- Set EDIT MODE on the AG-DV2700 to PLAYER.
- Press INPUT SELECT on the playback VCA and select a position to which a cable is not connected.
- Make the necessary editing control settings for the S-VHS (VHS) VCR. (Read the operating instructions of S-VHS (VHS) VCR.)

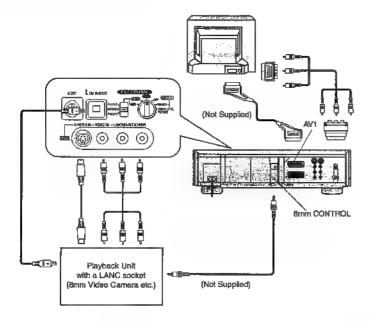


(AG-DV2700)

Audio Insert and AV Insert are not possible in this configuration.

Connecting a Video Equipment with a **LANC Socket**

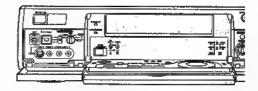
Example for connecting another manufacturer's video equipment with a LANC terminal (L control) as the playback unit. when controlling the playback unit through the VCR.

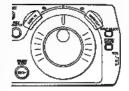




- · Before connecting any cables, first make sure that the power for both units is off.
- . Insert a recorded cassette into the playback unit, and a cassette with the closed record prevention tab into the
- The AG-DV2700 cannot be controlled through video equipment with m LANC socket.
- . Some types of LANC sockets have a different shape to the LANC socket on the AG-DV2700.
- If an attempt is made to perform an operation through the AG-DV2700 that the playback unit does not support, the unit may operate incorrectly.
- · If the playback unit is connected to the recording unit via an S-VIDEO cable, the video signal on the S-VIDEO cable takes priority. If the playback unit does not have an S-VIDEO socket do not connect the S-VIDEO cable to the AG-DV2700.

- . If units are connected to the VIDEO input sockets on both the front and rear of this VCA, the rear video inputs are automatically switched off.
- · When the units are connected using the DV cable and editing is performed, some editing functions will differ compared with when the units are connected using the AV cable. Refer to Glossary of Terms on page 92.
- · Read the operating instructions of the playback unit.
- Do not change the EDIT CONTROL or EDIT MODE settings while performing setting or editing operations at the SET UP or EDIT MENU screens. Be sure to guit these screens before changing these settings.
- When using this VCR as the recording VCR and performing editing by connecting the units via the AV cable or a 21-pin Scart cable, the On Screen Display (date/fime, Time Code) may scroll vertically when still playback or slow playback are performed by the playback





Playback Unit (a Video Equipment with a LANC socket)

Recording VCR (the AG-DV2700)

Turn the power on.

Turn the power on.

Set the unit so that it is ready to be controlled.

> Read the operating instructions of the playback unit and make the necessary settings.

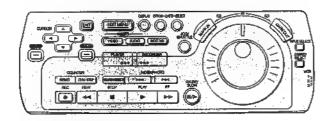
Set the EDIT CONTROL to 8mm.



Press INPUT SELECT on the editing controller so that A3 is selected.

- · If the playback unit is connected to the external input on the rear of the AG-DV2700, select A2.
- · When the playback unit is connected via a DV cable, select DV IN.
- . When performing Audio Dubbing or AV Insert, select A2 or A3.

This VCR also allows some settings for editing to be made at the On Screen Display (OSD).



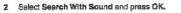
Preparations

- Confirm that the TV is on and the VCR viewing channel ■
- · Complete necessary connections and settings. See pages 50-57.

Search with Sound

1 Press SET UP.











3 Select OFF, EDIT ONLY or ALWAYS ON, and then cress OK.-



OFF: The sound cannot be heard during

special playback.

EDIT ONLY: The sound can be heard during special playback only when an editing operation

la III progress.

ALWAYS ON: The sound can be always heard during special playback.

4 Press EXIT to exit the On Screen Display.

Audio Mode

1 Press SET UP.



2 Select Audio Mode and press OK.





3 Select 12bit or 16bit, and then press OK.



12bit: Divides the audio area into two stereo audio tracks, STEREO1 and STEREO2.

> ●If a recording is made in 12bit audio mode, the sound is recorded on STEREO1 only, and in not recorded on STEREO2. STEREO2 is used to record new audio that is added through Audio Dubbing or Audio Mixing.

16bit: Uses the entire audio area in order to record audio with greater quality.

Press EXIT to exit the On Screen Display.

One-Touch-Edit

1 Presa SET UP.



2 Select One-Touch-Edit and press OK.





3 Select OFF or ON, and then press OK.



OFF: Select this whenever you are performing

any editing function other than One-

Touch-Edit.

Select this in order to perform One-ON:

Touch-Edit.

One-Touch-Edit is possible only when EDIT CONTROL is set to either DV, EDIT, or 8mm, and EDIT MODE is set to RECORDER.

4 Press EXIT to exit the On Screen Display.

AV-IN Colour Level

1 Press SET UP.



2 Select AV-IN Colour Level, and press OK.





3 Select SOURCE or ADJUST, and then press OK.

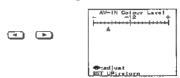


SOURCE: Normally set this position.

ADJUST: To adjust the colour level of the input external recording source.

If you select ADJUST and then press OK, the AV-IN Colour Level screen is displayed.

4 Adjust the colour level using ◀►.



Press 4 to make the colour lighter Press > to make the colour darker The setting can be adjusted over a range of ±20.

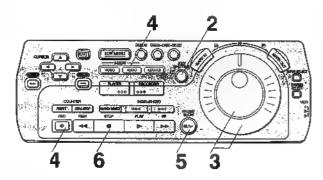
5 Press SET UP, and then press EXIT to exit the On Screen Diaptay.

- If INPUT SELECT is set to DV IN, the Audio Mode menu. and the AV-IN Colour Level menu cannot be selected.
- The SET UP or EDIT MENU screen is displayed in English, regardless of the language that is set for the On Screen Display.
- . The AV-IN Colour Level menu can be selected in following

INPUT SELECT is set to A1, A2 or A3: When the VCR is in stop mode

Editing when Not Using an Edit Cable

To connect a VCR or Movie Camera without an Edit Socket and use the AG-09/2700 as the Recording VCR.



Preparations

- Complete necessary connections and settings.
 See pages 50-59.
- Connect the AV1 socket on the AG-DV2700 to the TV.
 Connect the AV2 socket or the AUDIO/VIDEO/S-VIDEO IN (AV3) sockets on the AG-DV2700 to the playback unit.
 Set INPUT SELECT on this VCR as follows:
 - A2: Through the AV2 socket
 - A3: Through the AV3 sockets on the front panel or rear panel.
- If the playback unit has a DV terminal, connect to the DV IN/OUT on the AG-DV2700 with a DV cable.

Operations

- Using the controls on the playback unit, search for the edit start point, and then pause the playback.
- Press JOG/SHUTTLE on the AG-DV2700, and check that the button is lit.
- 3 Search for the edit start point.



4 Press the button for the editing mode on the AG-DV2700.

To copy the contents of the tape in the playback unit as is: Press REC.

To Insert picture: Press VIDEO INSERT.
To insert sound: Press AUDIO INSERT.
To insert picture and sound: Press VIDEO INSERT
and then press AUDIO INSERT (or vice versa).
To add new sound: Press AUDIO DUB.
For Audio Mixing: Press AUDIO DUB and then
press MIXING EDIT on the front right panel.

- The Audio Mixing procedure differs in part from other editing operations. See page 66.
- The indicator that corresponds to the selected editing mode lights on the VCR display.
- Press PAUSE/SLOW on the AG-DV2700 and start playback on the playback unit simultaneously.
 Editing begins.
 - Press **(STOP)** on the AG-DV2700, and then press STOP on playback unit to stop editing.

Notes:

- Allhough Copying can be performed in LP mode, Insert and Audio Dubbing cannot be performed with a tape recorded in LP mode. It is necessary to first copy the tape in SP mode.
- Video Insert at Audio Insert are not possible in the following cases;

When the tape in the recording VCH (the AG-DV2700) is: Recorded in LP mode:

Blank, or contains a blank portion in the middle.

 AV Insert, Audio Dubbing and Audio Mixing are not possible in the following cases;

When the tape in the recording VCR (the AG-DV2700) is: Recorded in 16bit audio mode;

Recorded in LP mode;

Blank, or contains a blank portion in the middle. When INPUT SELECT is set to DV IN.

 If the time display on the AG-DV2700 is set to tape counter mode during editing, the AG-DV2700 stops the editing operation automatically when the counter reaches "0:00.00".

(This function does not work when using the Copying or Audio Dubbing functions.)

Indicators On the VCR Display

AN THE MADORINE SHEET - C

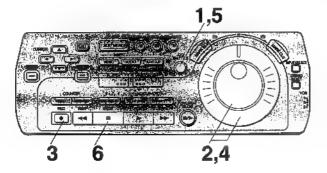
VIDEO INSERT AUDIO INSERT

COT AND MATTER AND MAT

AV INSERT AUDIO DUBBING

One-Touch Assemble

If the One-Touch Edit function is used, Assemble editing can be performed by controlling the playback unit through the AG-DV2700.



Preparations

- Confirm that the TV is on and the VCR viewing channel in
- · Complete necessary connections and settings. See pages 50-59.
- · Set to One-Touch-Edit ON on SET UP menu.

Operations

Press JOG/SHUTTLE on the AG-DV2700, and check that the button is lit.



Search for the edit start point on the AG-DV2700.



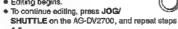
Press REC.

 The picture from the playback unit appears on the screen. Search for the edlt start point on the playback unit using Jog dial and Shuttle Ring on the AG-DV2700.



Press JOG/SHUTTLE on the AG-DV2700.

Editing begins.



Press (STOP) on the AG-DV2700, to stop editing.

· Although Assemble editing can be performed in LP mode, Insert, Audio Dubbing, and Audio Mixing cannot be performed with a tape recorded in LP mode. It is necessary to first copy the tape in SP mode.

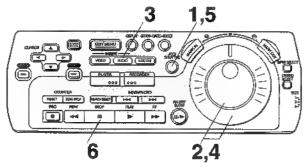
- In order to ensure that the editing operation is performed. properly, the editing points should be set at least 20 seconds after the beginning of the tape.
- When using the editing controller for remote control: In order to conserve battery power, JOG/SHUTTLE turns off after one minute.

If JOG/SHUTTLE turns off after the edit start point has been set on the recording unit (step 2), it is necessary to press JOG/SHUTTLE again (so that it is lit) before searching for the edit start point on the playback unit. If JOG/SHUTTLE turns off after the edit start point has been determined on the playback unit (step 4), it is necessary to press JOG/SHUTTLE twice in order to start editing.



One-Touch Insert /Audio Dubbing

If the One-Touch Edit function is used, Insert (Video Insert, Audio Insert, and AV Insert) and Audio Dubbing can be performed by controlling the playback unit through the AG-DV2700.



Preparations

- Confirm that the TV is on and the VCR viewing channel is selected.
- · Complete necessary connections and settings. See pages 50-59.
- . Set to One-Touch-Edit ON on SET UP menu.

Operations

Press JOG/SHUTTLE on the AG-DV2700, and check that the button is lit.



Search for the edit start point on the AG-DV2700.

Press the button for the editing mode on the AG-DV2700.

> To Insert picture: Press VIDEO INSERT. To insert sound: Press AUDIO INSERT. To insert picture and sound: Press VIDEO INSERT and then press AUDIO INSERT (or vice versa). To add new sound: Press AUDIO DUB.

- . The indicator that corresponds to the selected editing mode lights on the VCR display.
- . The picture from the playback unit appears on the screen.

Search for the edit start point on the playback unit using Jog dial and Shuttle Ring on the AG-DV2700.



Press JOG/SHUTTLE on the AG-DV2700.

· Editing begins.

· To continue editing, press JOG/ SHUTTLE on the AG-DV2700, and repeat steps 4-5.



Press ■ (STOP) on the AG-DV2700. to stop editing.

To monitor the edited audio after Audio Dubbing

Press STEREO SELECT during playback and select STEREO2.

Notes:

- · Video Insert and Audio Insert are not possible in the following cases:
- When the tape in the recording VCH (the AG-DV2700) is: Recorded in LP mode:
- · AV insert and Audio Dubbing are not possible in the following cases:

When the tape in the recording VCR (the AG-DV2700) is: Recorded in 16bit audio mode: Recorded in LP mode;

Blank, or contains a blank portion in the middle. When INPUT SELECT is set to DV IN.

Blank, or contains a blank portion in the middle.

• If the time display on the AG-DV2700 is set to tape counter mode during editing, the AG-DV2700 stops the editing operation automatically when the counter reaches "0:00.00".

Indicators On the VCR Display





VIDEO INSERT



AUDIO INSERT

AUDIO DUBBING

AV INSERT

 \bullet III order to ensure that the editing operation is performed properly, the editing points should be set at least 20 seconds after the beginning of the tape.

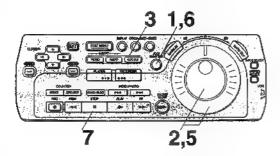
 When using the editing controller for remote control: If order to conserve battery power, JOG/SHUTTLE turns off after one minute.

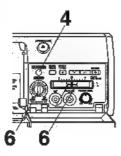
If JOG/SHUTTLE turns off after the edit start point has been set on the recording unit (step 2), it is necessary to press JOG/SHUTTLE again (so that it is lit) before searching for the edit start point on the playback unit. If JOG/SHUTTLE turns off after the edit start point has been determined on the playback unit (step 4), it is necessary to press JOG/SHUTTLE twice in order to start

One-Touch Audio Mixing

This function is used to mix the audio on STEREO1, which has already been recorded, with audio from mexternal recording source (A2 or A3), and record the result on STEREO2.

This function is useful for adding new audio, such as music or a narration, to the original audio which has already been recorded.





Preparations

- Confirm that the TV is on and the VCR viewing channel is selected.
- Complete necessary connections and settings.
 See pages 50-59.
- Set to One-Touch-Edit ON on SET UP menu.

Operations

Press JOG/SHUTTLE on the AG-DV2700, and check that the button is lit.



2 Search for the edit start point on the AG-DV2700.

Press AUDIO DUB on the AG-DV2700.

> The picture from the playback unit appears on the screen.

Notes

 Audio Mixing is not possible in the following cases: When the tape in the recording VCR (the AG-DV2700) is: Recorded in 16bit audio mode; Recorded in LP mode;

Blank, or contains a blank portion in the middle. When INPUT SELECT is set to DV IN.

 in order to ensure that the editing operation is performed properly, the editing points should be set at least 20 seconds after the beginning of the tape. Press MIXING EDIT on the AG-DV2700.

Search for the edit start point on the playback unit using Jog dial and Shuttle Ring on the AG-DV2700.



Press JOG/SHUTTLE on the AG-DV2700.

· Editing begins.

 If you wish to adjust the volume of the original audio (STEREO1) and external recording source (A2 or A3) during Audio Mixing.

AUDIO MIX: To adjust the volume of the original audio (STEREO1).

AUDIO REC LEVEL:

To adjust the volume of the audio from external recording source (A2 or A3).

 To continue editing, press JOG/SHUTTLE on the AG-DV2700, and repeat steps 5-6.

Press (STOP) on the AG-DV2700, to stop editing.

To monitor the mixed signal after Audio Mixing

Press STEREO SELECT during playback and select STEREO2.

When editing with a microphone

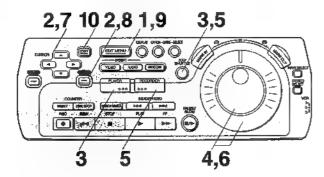
- Connect the microphone to the MIC socket.
- 2. Press JOG/SHUTTLE.
- Use Jog Dial and Shuttle Ring to search the recording start point.
- Press AUDIO DUB.
- 5. Press MIXING EDIT.
- Use AUDIO REC LEVEL slider to adjust the microphone level.
- 7. Press PAUSE/SLOW,
- 8. Press (STOP) to stop



 If both the MIC socket and the line inputs are connected, the audio from the MIC socket is given priority in recording.

Manual Copying

This function can be used ≡ copy tapes between digital video equipments with practically no deterioration in quality. This function can also copy a tape that was recorded in S-VHS (VHS) format onto a digital video tape.



Preparations

- Confirm that the TV in on and the VCR viewing channel in
- · Complete necessary connections and settings. See pages 50-59.

Operations

46

Press EDIT MENU.



Check that Copying is selected and press OK.





- Press PLAYER, and then press JOG/ SHUTTLE.
 - . The picture from the playback unit appears on the screen.





Search for the edlt start point on the playback unit.

On Screen Display





Press RECORDER, and then press JOG/SHUTTLE.

. The picture from the recording VCR appears on the screen.





Search for the edit start point on the recording VCR.



Select Start Copying.



Press OK. · Editing begins.



Press EDIT MENU to stop editing.



. Operation now returns to the screen which appears ■ step 3. This makes it possible ■ continue with editing or change the point at which editing is to start.

10 Press EXIT.



• The On Screen Display disappears.

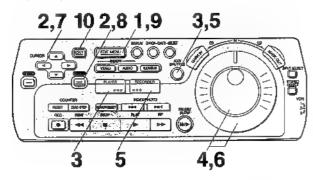
- If a digital video tape is copied without connecting a DV cable, the original sub code data (photoshot index signals, recording date, etc.) is not copied.
- Although Copying can be performed in LP mode, Insert. and Audio Dubbing cannot be performed with a tape recorded in LP mode. It is necessary to first copy the tape in SP mode.
- If order to ensure that the editing operation is performed property, the editing points should be set at least 20 seconds after the beginning of the tape.
- . The pause operation may be indicated on the display of the playback unit even though the playback unit is actually playing the tape in slow motion.
- Up to ±1 second of slight deviation in the specified edit start position can be corrected. See page 90 for Edit Timing Adjustment.





Manual Insert

This function is used to replace the picture and sound on a recorded tape.



Preparations

- . Confirm that the TV is on and the VCR viewing channel is
- · Complete necessary connections and settings. See pages 50-59.

Example: Video Insert

Operations

Press EDIT MENU.



Select Video Insert, and then Press OK.

To insert picture: Select Video Insert. To Insert sound: Select Audio Insert. To insert picture and sound: Select AV Insert.

Press PLAYER and JOG/SHUTTLE.

. The picture from the playback unit appears on the screen.



Search for the edit start point on the playback unit.



On Screen Display





Press RECORDER and JOG/ SHUTTLE.

> . The picture from the recording VCR appears on the screen.

.........





Video Incert

Search for the edit start point on the recording VCR.

Select Start Insert.



Press OK. · Editing begins.



Press EDIT MENU to stop editing.



. Operation now returns to the screen which appears in step 3. This makes it possible to continue with editing or change the point at which editing is to start.

10 Press EXIT



 The On Screen Display disappears.



· Video Insert and Audio Insert are not possible in the following cases:

When the tape in the recording VCR (the AG-DV2700) is: Recorded in LP mode:

Blank, or contains a blank portion in the middle.

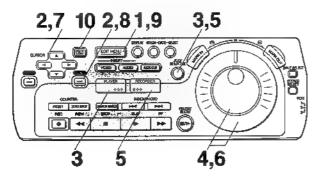
 AV Insert is not possible in the following cases: When the tape in the recording VCR (the AG-DV2700) is: Recorded in 16bit audio mode; Recorded in LP mode:

Blank, or contains a blank portion III the middle. When INPUT SELECT is set in DV IN.

- . In order to ensure that the editing operation is performed properly, the editing points should be set at least 20 seconds after the beginning of the tape.
- . The pause operation may be indicated on the display of the playback unit even though the playback unit is actually playing the tape in slow motion.
- Up ±1 second of slight deviation in the specified edit start position can be corrected. See page 90 for Edit Timing Adjustment.

Manual Audio Dubbing

This function is used is add new sound on the STEREO2 track of previously recorded tape.



Preparations

- Confirm that the TV is on and the VCR viewing channel is selected.
- Complete necessary connections and settings. See pages 50-59.

Operations

Press EDIT MENU.



Select Audio Dubbling, and then Press OK.





Press PLAYER and JOG/SHUTTLE.

• The picture from the playback unit appears on



Search for the edit start point on the playback unit.

On Screen Display





Press RECORDER and JOG/ SHUTTLE.

. The picture from the recording VCA appears on the screen.



Search for the edit start point on the recording VCR.

Select Start Dubbing.



Press OK. Editing begins.



Press EDIT MENU to stop editing.



. Operation now returns to the screen which appears in step 3. This makes it possible to continue with editing or change the point at which editing is to start.

10 Press EXIT.



The On Screen Display disappears.

To monitor the mixed signal after Audio

Press STEREO SELECT during playback and select STEREO2.

 Audio Dubbing is not possible in the following cases: When the tape in the recording VCR (the AG-DV2700) is: Recorded in 16bit audio mode; Recorded in LP mode;

Blank, or contains a blank portion in the middle. When INPUT SELECT is set to DV IN.

. In order to ensure that the editing operation is performed properly, the editing points should be set at least 20 seconds after the beginning of the tape.

AV:select, OK:start BOIT.WENU:return



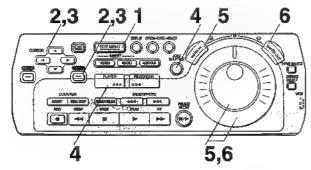
- The pause operation may be indicated on the display of the playback unit even though the playback unit is actually playing the tape in slow motion.
- Up to ±1 second of slight deviation in the specified edit start position can be corrected. See page 90 for Edit Timing Adjustment.



Programme Assemble

This function can be used to link together desired scenes on a tape.

This function can also be used to skip unnecessary scenes recorded on a tape and copy them onto a separate tape.



Preparations

- · Confirm that the TV is on and the VCR viewing channel is
- · Complete necessary connections and settings. See pages 50-59.

Operations

Press EDIT MENU.



Select Programme Editing, and then Press OK.





On Screen Display FRIT MENU Copying Video Insert Audlo Insert AV Insert Audio Dubbing Programme Editing AV:esteat , OK:essees EXIT:leave menu

Notes:

- · Programme Editing can be performed using either the tape counter or Time code display, but the Time code display should be used if the units are connected only by a DV cable.
- If you attempt switch to line tape counter display in order ■ perform editing after setting the editing points using the Time code display, the Erase all programmes screen is displayed.
- The Erase all programmes screen is also displayed when you change from the tape counter display to the Time code display.)
- · After setting a programme, if you attempt to set another programme is a different editing operation, the set contents for the previous editing operation remain on the setting screen. In order to prevent editing errors, perform the Erase all programmes operation (page 87) whenever you set a programme under a different editing mode.
- Programme editing can not be performed with a movie. camera that has a 4-digit counter.

Select Assemble, and then Press OK.





Press PLAYER and JOG/SHUTTLE The picture from the playback unit appears on the screen.





Search for the edit start point on the playback unit and press MARK IN.



Search for the edit end point on the playback unit and press MARK OUT.



(Continued on next page)

Assemble Video incert Audio incert AV Incert Audio Dubbing Eraco all programmes AV: and mot . OK: mosming BDIT. MENU: coturn



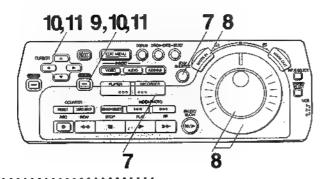
PLAYER 0h18m09e131 0h16m38x20f 0h16m09a13f

 Although Assemble editing can be performed in LP mode, Insert, Audio Dubbing, and Audio Mixing cannot be performed with a tape recorded in LP mode. It is necessary to first copy the tape in SP mode.

- order ensure that the editing operation is performed properly, the editing points should be set at least 20. seconds after the beginning of the tape.
- The editing operation may not be performed correctly if the set duration of a programme is less than 4 seconds,
- On a video equipment whose Time code display or tape counter display does not show the frame value, the area. where the frame value is displayed appears as "00f" or it remains blank.

With some units, the frame value may be displayed when MARK IN or MARK OUT is pressed in steps 5 and 6 even if the unit concerned does not show the frame value.

Programme Assemble (continued)



7 Press RECORDER and JOG/ SHUTTLE

 The picture from the recording VCR appears on the screen.



Search for the edit start point on the recording VCR and press MARK IN.

WIARK IN.

9 Press OK



To check and change programmes:

Select Confirm/Change and then press OK.

- To confirm, change, insert or erase editing programmes, see pages 86-87.
- Programmes cannot be inserted or erased through the recording unit.

To continue setting programmes:

- 1 Press EDIT MENU.
- 2 Press PLAYER.
- 3 Using ◀ ►, select the programme number. The programme number changes each time these buttons are pressed.
 (Up to 40 programmes can be set. 10 programmes can be set on one page; if this number exceeded, the display automatically changes to the next page.)
- 4 Repeat steps 4-6 and 9.

On Screen Display





10 Select Start Assemble to start editing, and then press OK.

 Editing begins after the playback unit and the recording VCR both rewind their tapes to the edit start points.



11 After completing editing, select Review, and then press OK.

• The edited pictures are played back.



To interrupt editing or Review: Press EDIT MENU.

Notes:

- The Preview function cannot be used with the Assemble function.
- Up to ±1 second of slight deviation in the specified edit start/end position can be corrected. See pages 88-89 for Edit Timing Adjustment.

Assembls

Page 13

Page 13

PAMEN MEGGES

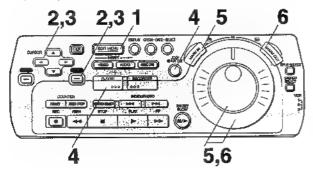
Assemble in Progress

BOIT MENU: stop, return to gravious manu

Review
)
DIT MEMJISTER, rature

Programme Insert

This function is used to replace the picture and sound on a recorded tape.



Preparations

- . Confirm that the TV is on and the VCR viewing channel is selected.
- · Complete necessary connections and settings. See pages 50-59.

Example: Video Insert

Operations

51

Press EDIT MENU.



Select Programme Editing, and then Press OK.







Notes:

- tape counter or Time code display.
- order to perform editing after setting the editing points using the Time code display, the Erase all programmes screen is displayed.

when you change from the tape counter display to the Time code display.)

- · After setting a programme, if you attempt to set another programme im a different editing mode, the set contents for the previous editing mode remain on the setting
- set a programme under a different editing mode. · Programme Editing can not be performed with a movie camera that has a 4-digit counter.

screen. In order to prevent editing errors, perform the

Erase all programmes operation (page 87) whenever you

On Screen Display

Copying Video Insert Audio Insert AV Insert Audio Oubbing Programme Editing

AV: sulmut , OK: access

CO = MRN...

. Video Insert and Audio Insert are not possible in the following cases:

When the tape in the recording VCR (the AG-DV2700) is: Recorded in LP mode:

Blank, or contains a blank portion in the middle.

Select the desired editing operation, and then press OK.

To insert picture: Video Insert.

To insert sound: Audio Insert.

To insert picture and sound: AV Insert.



Press PLAYER and JOG/SHUTTLE

The picture from the playback unit appears on



Search for the edit start point on the playback unit and press MARK IN.



Search for the edit end point on the playback unit and press MARK OUT.



(Continued on next page)

 AV insert is not possible if the following cases: When the tape in the recording VCR (the AG-DV2700) Is: Recorded in 16bit audio mode; Recorded in LP mode:

Blank, or contains a blank portion in the middle. When INPUT SELECT is set to DV IN.

Notes on editing point setting

- The Programme Insert and Audio Dubbing functions require the setting of only three editing points; the in and out points on the playback unit and the in point on the recording unit, or the in point on the playback unit and the in and out points on the recording unit.
- . It both in and out points are set on both the playback unit and the recording unit, and the times between the points do not match, editing stops at the first out point that is reached.

Protramor Econom Assemble RESYNDERED ASSEMBLE RESERVE Audio Incert AV Inpert Audio Dubbins Eraso all program Y. The state of





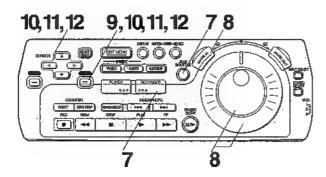
- . In order to ensure that the editing operation is performed properly, the editing points should be set at least 20 seconds after the beginning of the tape.
- The editing operation may not be performed correctly if the set duration of a programme is less than 4 seconds.
- On a video equipment whose Time code display or tape counter display does not show the frame value, the area where the frams value is displayed appears as "00f" or it remains blank.

With some units, the frame value may be displayed when MARK IN or MARK OUT is pressed in steps 5 and 6 even if the unit concerned does not show the frame value.

- Programme Editing can be performed using either the
- If you attempt to switch to the tape counter display in

(The Erase all programmes screen is also displayed

Programme Insert (continued)



7 Press RECORDER and JOG/ SHUTTLE

> The picture from the recording VCR appears on the screen.



Search for the edit start point on the recording VCR and press MARK IN.

9 Press OK

To check and change programmes: Select Confirm/Change and then press OK. •To confirm, change, insert or erase editing programmes, see pages 86-87.

To continue setting programmes:

- 1 Press EDIT MENU.
- 2 Press PLAYER.
- 3 Using ◀ ►, select the programme number. The programme number changes each time these buttons are pressed. Up to 10 programmes can be set.
- 4 Repeat steps 4-9.

On Screen Display





Select Preview to confirm the editing operation before performing actual editing, and then press OK.

 Preview begins after the playback unit and the recording VCR both rewind their tapes to the edit start points.



11 Select Start Insert to start editing, and then press OK.

 Editing begins after the pleyback unit and the recording VCR both rewind their tapes to the edit start points.



12 After completing editing, select Review, and then press OK.



To Interrupt editing, Preview or Review: Press EDIT MENU.

Note:

Up = ±1 second of slight deviation in the specified edit start/end position can be corrected. See pages 88-89 for Edit Timing Adjustment.

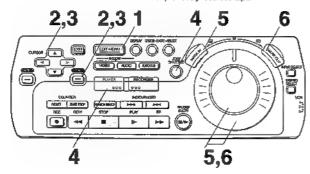






Programme Audio Dubbing

This function is used to add new sound on the STEREO2 track of previously recorded target



Preparations

- Confirm that the TV is on and the VCH viewing channel is
- · Complete necessary connections and settings. See pages 50-59.

Operations

Press EDIT MENU.



Select Programme Editing, and then Press OK.





Notes:

- · Programme Editing can be performed using either the tape counter or Time code display.
- If you attempt to switch to the lane counter display in order ■ perform editing after setting the editing points using the Time code display, the Erase all programmes screen in displayed.

(The Erase all programmes screen in also displayed when you change from the tape counter display to the Time code display.)

· Programme editing can not be performed with a movie camera that has a 4-digit counter.

On Screen Display



- · After setting a programme, if you attempt to set another programme in a different editing mode, the set contents for the previous editing mode remain on the setting screen. In order m prevent editing errors, perform the Erase all programmes operation (page 87) whenever you set a programme under a different editing mode.
- · Audio Dubbing is not possible in the following cases: When the tape in the recording VCR (the AG-DV2700) is: Recorded in 16bit audio mode: Recorded in LP mode:

Blank, or contains a blank portion in the middle When INPUT SELECT is set to DV III.

Select Audio Dubbing, and then press OK.







Press PLAYER and JOG/SHUTTLE

· The picture from the playback unit appears on the screen.





Search for the edit start point on the playback unit and press MARK IN.



Search for the edit end point on the playback unit and press MARK OUT.



(Continued on next page)

Notes on editing point setting

- The Programme Insert and Audio Dubbing functions require the setting of only three editing points; the in and out points on the playback unit and the in point on the recording unit, or the in point on the playback unit and the in and out points on the recording unit.
- · If both in and out points are set on both the playback unit and the recording unit, and the times between the points do not match, editing stops at the first out point that is reached.
- · In order to ensure that the editing operation is performed properly, the editing points should be set at least 20 seconds after the beginning of the tape.

Assemble Video Insert Audio Insert AV Insert (Audio Dubbing 1200) Erous all programme AVenilent . OK: modenn

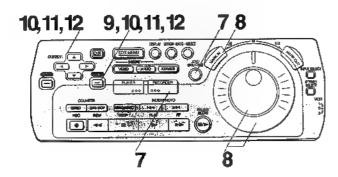




- The editing operation may not be performed correctly if the set duration of a programme in less than 4 seconds.
- . On a video equipment whose Time code display or tape counter display does not show the frame value, the area where the frame value is displayed appears as "001" or it remains blank.

With some units, the frame value may be displayed when MARK IN or MARK OUT is pressed in steps II and 6 even If the unit concerned does not show the frame value.

Programme Audio Dubbing (continued)



7 Press RECORDER and JOG/ SHUTTLE

 The picture from the recording VCR appears on the screen.



Search for the edit start point on the recording VCR and press MARK IN.



Press OK



To check and change programmes: Select Confirm/Change and then press OK. •To confirm, change, insert or erase editing programmes, see pages 86-67.

To continue setting programmes:

- 1 Press EDIT MENU.
- 2 Press PLAYER.
- 3 Using ◀ ▶, select the programme number. The programme number changes each time these buttons are pressed. Up to 10 programmes can be set.
- 4 Repeat steps 4-9.

On Screen Display





10 Select Preview to confirm the editing operation before performing actual editing, and then press OK.

 Preview begins after the playback unit and the recording VCR both rewind their tapes to the edit start points.



11 Select Start Dubbing to start editing, and then press OK.

 Editing begins after the playback unit and the recording VCR both rewind their tapes to the edit start points.



12 After completing editing, select Review, and then press OK.

• The edited sounds are played back.



To interrupt editing, Preview or Review: Press EDIT MENU.

To monitor the edited audio after Audio Dubbing

Press STEREO SELECT during playback and select STEREO2.

Note:

Up to ±1 second of slight deviation in the specified edit start/end position can be corrected. See pages 88-89 for Edit Timing Adjustment.

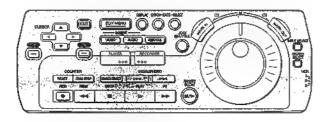






Other Editing Functions

These functions are used to confirm, change, etc. programmes.



Once all programme settings are completed, the screen shown at right is displayed.

Example: Video Insert

This portion varies, depending on the editing function that was programmed.

To check/change programmes:

1 Select Confirm/Change, and then press OK. •The programme list for the playback unit is displayed.

To check the programme list for the recording unit, press RECORDER:

To just confirm the programme settings, press EDIT MENU.

If corrections are needed, continue with the procedure described below.

- 2 Select the programme number for which changes are be made, and then press OK.
 - The Programme Change screen for the selected programme number is displayed.
- 3 Press JOG/SHUTTLE.
- 4 Use the Jog Dial/Shuttle Ring to search for the editing point that is to be corrected.

- 5 To change an edit start point, press MARK IN. To change an edit end point, press MARK OUT.
- 6 Once all changes are completed, press OK.
- 7 Press EDIT MENU.

On Screen Display



Programme Change [Page1] PLATER OK: cenf [rm BOIT MENU: reduc

To insert a new programme between existing programmes:

- 1 Select Insert a programme, and then press OK. The programme list is displayed.
- 2 Select the programme number where a programme in to be inserted, and then press OK. The Insert a programme screen is displayed.
- 3 Refer to the pages that describe the Programme Editing functions (on pages 74-85), and set the new programme.
- 4 When setting is complete, press OK.
- 5 Press EDIT MENU.

To cancel a programme:

- 1 Select Erase a programme, and then press OK. •The programme list is displayed.
- 2 Select the programme number to be erased, and then press OK.
- 3 Press EDIT MENU.

......... To cancel all editing programmes:

- 1 Press EDIT MENU twice.
- 2 Select Programme Editing, and then press OK.
- 3 Check that Erase all programmes is selected and
 - The Erase all programmes screen is displayed.
- 4 Select YES, and then press OK. The screen returns to the Programme Editing menu. After the message indicating that "All programmes have been erased." appears on the screen, operation returns to the EDIT MENU screen.
- 5 Press EDIT MENU.

If the EDIT MENU screen is cancelled before the aboveprocedure is performed, the method for displaying the Programme Editing changes.

Press EDIT MENU so that the EDIT MENU screen is displayed. Use to select Programme Editing, and then press OK.

..........

Programmes set in the recording unit for the Assemble editing function cannot be inserted or erased.

PARER [Page 1]
Oin OnoSm30:241
Out Oh08m55:101
Shn Oh14m23e186
Out Oh26m12a186
Oin Oh26m12a091
Out Oh27m45:201
Oin Oh26m12a091
Out Oh27m45:201
Out Oh36m17:055

Incort a programme [Page1] Ø II RUNER Dh44m07a11f Gh39m53x23f Gh44m07a11f (n Out Officentirm EDIT MENUTRATA





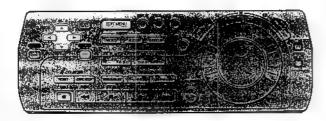




Edit Timing Adjustment

When performing editing in conjunction with a unit which has a different machanism, there may be a leg in the edit start point due to a deviation between the time a pause cancellation signal is received by the recording unit and the time recording schalls before.

Edit Timing Adjustment is used to compensate the edit start and end time in light of this start-up time deviation.



Programme Editing

After setting edit start/end points, the actual editing operation may start slightly before or slightly after the position that was set, depending on the equipment that is connected. The procedure described below can adjust the edit timing in order to correct for errors of up to ± 1 second ill the edit start points and edit end points on the playback

Example: Video Insert

Operations

1 Press EDIT MENU.



2 Select Programme Editing, and then Press OK.



Notes:

- The procedure described on these pages is to be performed after exiting the EDIT MENU screen. If this procedure is performed after having executed Start Editing or Review, start this procedure from step 4 on the Video Insert (Assemble, Audio Insert, AV Insert or Audio Dubbing) screen.
- The adjusted frame unit is applied to all of the programmes that have been set at the moment when the adjustment is made.

On Screen Display

Copying
Video Insert
Audio Insert
Av Insert
Audio Dybbing

Select desired editing operation, and then press OK twice. Select Timing Adjust, and then press Adjust the timing for the edit start point by setting the amount of the discrepancy for the start-up time. The setting is displayed in frames (1/25 of a second) units. Press ►if the start point is too early; press **I** it is too late. · Each time the button is pressed, the tape moves by 1 frame. · Corrections can be made in the range of ± 30 Press OK. Adjust the timing for the edit end point in same way. Press OK. Select Start Insert (Assemble or Dubbing), and then press OK.

(Z)

· If the results of editing indicate that the

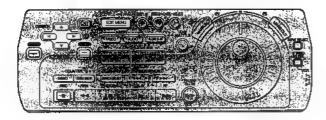
adjustment is inadequate, repeat steps 4-8.





66

Edit Timing Adjustment (continued)



Manual Editing

If there is a deviation in the results of a manual editing operation, the timing of the edit start (In) position on the playback unit can be adjusted by approximately ± 1 second. Perform the procedure described below when setting an edit start point is any editing mode.

Example: Manual Copying

Operations

57

Select Timing Adjust, and then press



.....

by setting the amount of the discrepancy for the start-up time.

The setting is displayed in frames (1/25 of a second) units.

Adjust the timing for the edit start point

Press ▶if the start point is too early; press ◀ if ▮ is too late.

- Each time the button is pressed, the tape moves by 1 frame.
- Corrections can be made in the range of ± 30 frames.

3 Press OK.



Select Start Copying (Insert, Dubbing), and then press OK.



•

 If the results of editing indicate that the adjustment is inadequate, repeat steps 1-3. On Screen Diaptay







On Screen Display Messages

Before requesting service, check the following points once easin.

The error message is indicated in brackets [].

These messages are displayed in the language that is set for On Screen Display.

[This action is not possible before time and date are set.]

SNOWVIEW or CHECK is pressed when the date and time are not set. Set date and time.

[Please Insert video tapel]

■ RÉC (REC/OTR), DIRECT TV REC, D (PLAY), ►► (FAST FORWARD) or ◄◄ (RÉWIND) is pressed when no cassette is in the VCR. Insert a video cassette.

[Recording not allowed.Check setting of the recordprevention (ab.)

REC (REC/OTR) or DIRECT TV REC has been pressed when using a cassette with the opened record-prevention tab. Use a cassette with the closed record-prevention tab.

[No timer programmes to be donel]

TIMER REC was pressed even though nothing has been programmed. Programme a timer recording.

[Please put VCA into stop mode first.]

Changes to programming details were attempted during timer recording.

Messages of On Screen Display for ... Editing Operations

These messages are displayed in English regardless of the set for On Screen Display.

[Please insert video tapel]

rer REC (REC/OTR), D (PLAY) or JOG/SHUTTLE has been pressed when the editing operation using EDIT MENU screen is performed in the VCR. Insert a video cassafte.

[Recording not allowed.Check setting of the recordprevention lab.]

REC (REC/OTR) has been pressed when using a cassette with the opened record-prevention tab. Use a cassette with a closed record-prevention tab.

[This function cannot be made in the blank part of the tape.]

□ Are you trying to edit using a blank tape, or a tape that
contains a blank segment in the middle?

Editing is not possible in blank segments (because
there are no Time codes). ■ order ■ use such ■ tape
for editing, copy the tape once so that continuous

Time codes are recorded on the tape, even if there is nothing else recorded on the tape.

[This function is not allowed in LP-recorded section of the tape.]

It is not possible to edit a tape that was recorded in LP mode, or that was recorded parily in SP mode and parily in LP mode. Make a copy of the tape in SP mode and then use that tape.

[This function cannot be made with 18bit mode audio recording.]

- ran Does the audio mode change in the middle of the tape?
- The Audio Dubbing and AV Insert functions can only be used on a tape that was recorded in 12bit audio

[Copying of this material is not allowed.]

Tapes which contain copy protection codes cannot be edited, whether in the playback unit or the recording unit.

[EDITING cannot be made. Please check switches setting and cables.]

- Are the necessary cables for controlling the playback unit (Edit cable, LANC cable, DV cable) connected?
- is the playback unit turned off?
- Are EDIT MODE, EDIT CONTROL, and the INPUT SELECT setting on the AG-DV2700 set property for the desired editing operation?
- Ithere more than one digital video device (including personal computers) connected to the AG-DV2700?
- Are the AG-DV2700 and the unit connected to the AG-DV2700 both set to control each other (if the connected unit is a digital video device)?

[Audio Dubbing or Audio Mixing cannot be made with DV input mode I

Audio Dubbing and Audio Mixing functions will not work if INPUT SELECT is set to DV IN. Set to A2 or A3.

[AV Insert cannot be made with DV input mode.]

AV Insert will not work if INPUT SELECT is set to DV IN. Set to A2 or A3.

[Please select DV input mode.]

is EDIT CONTROL set to DV, but INPUT SELECT is set to something other than DV IN?

[This tape in an incorrect type. Please replace the tape.]

A video cassette tape other than a DV or MINI DV cassette has been inserted.

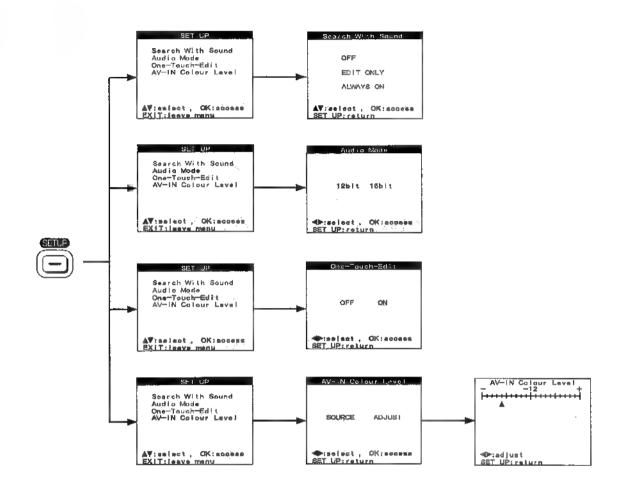
DVCPRO cassettes cannot be used with the AG-DV2700.

Other messages may also appear. Follow the instructions in the message.

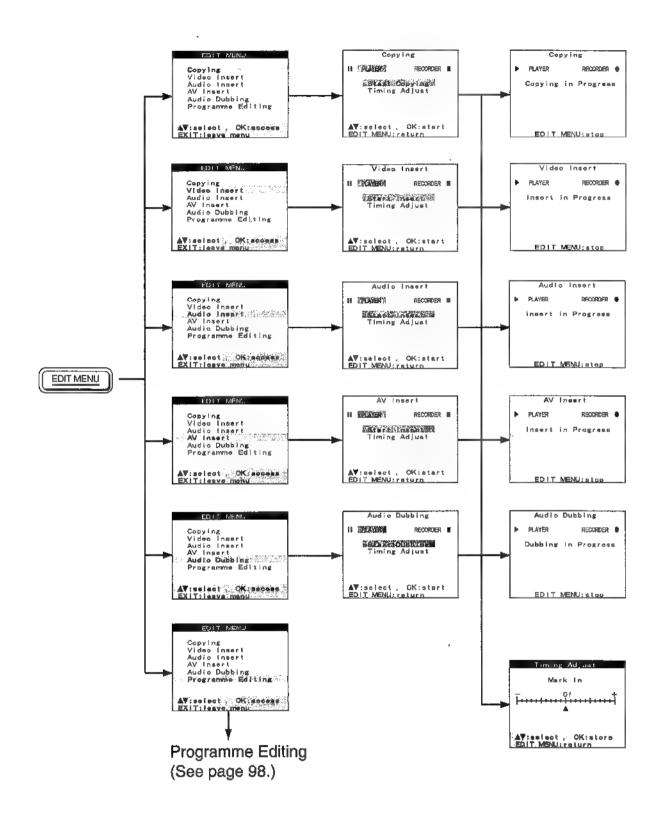


Flow Chart for On Screen Displays

SET UP On Screen Display



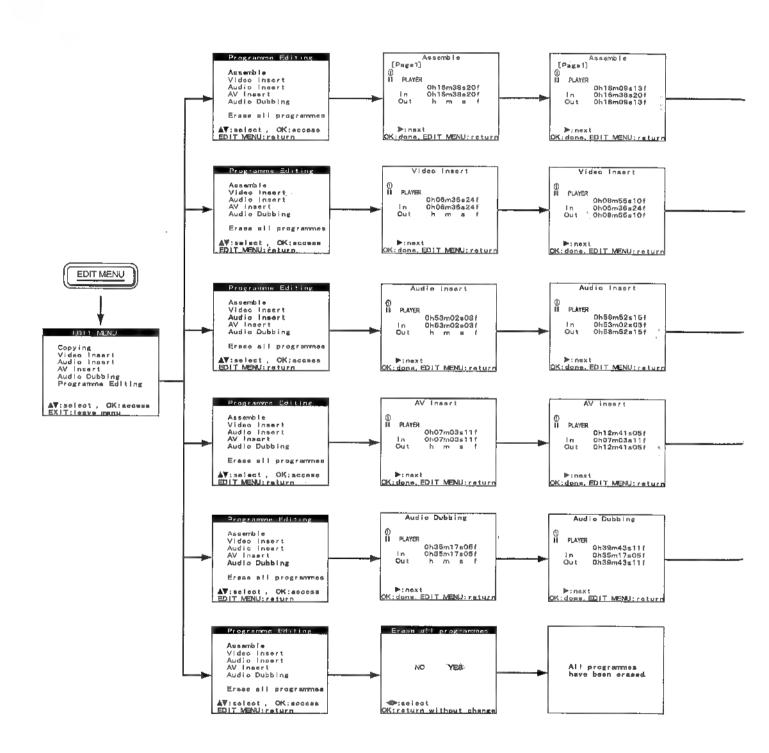
EDIT MENU On Screen Display (Manual Editing)

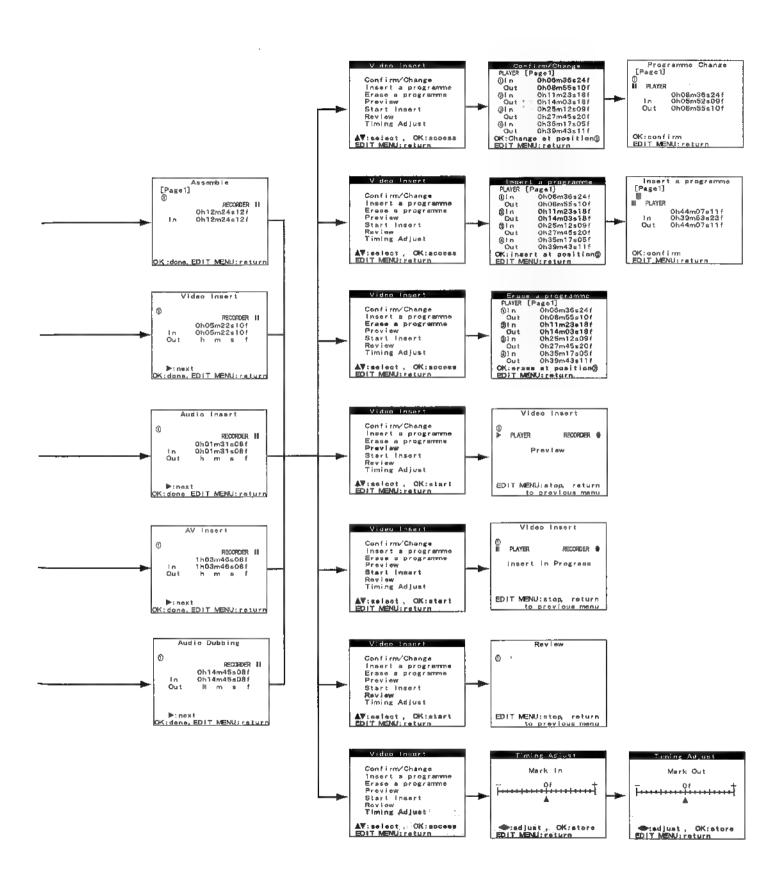




Flow Chart for On Screen Displays (continued)

Programme Editing On Screen Display





Memo

SECTION 2 ADJUSTMENT PROCEDURES

1. Disassembly/Assembly Procedures for cabinet parts, C.B.A. and Mechanism Unit

1-1. Disassemble Flow Chart for cabinet parts, C.B.A. and Mechanism Unit.

This flow chart indicates the disassembly steps the cabinet parts, C.B.A. and Mechanism Unit in order to access to items to be serviced. When reinstalling, perform the steps in reverse order.

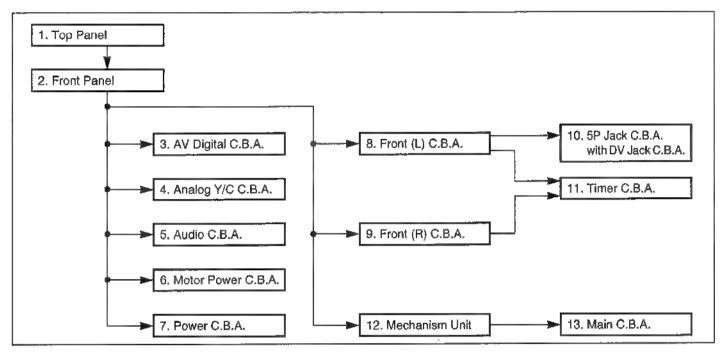


Fig. 1-1 Flow Chart

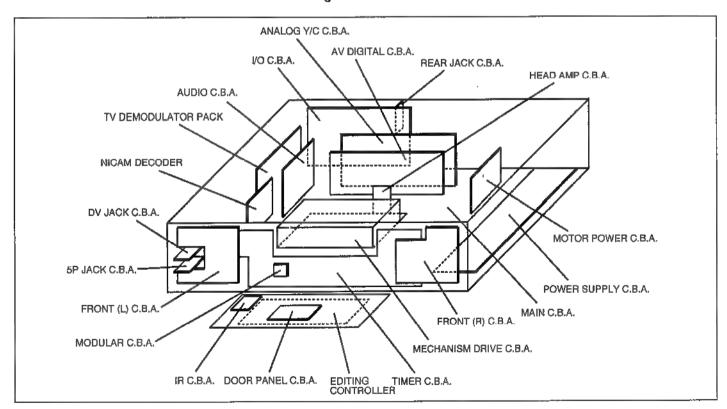


Fig. 1-2

1-2. Disassembly/Assembly Procedures (for cabinet parts, C.B.A. and Mechanism Unit)

No.	ITEM / PART	FIG.	REMOVAL (SCREW)
1	Top Panel	Fig. D-1	4-Screws (A)
1			1-Screw (B)
<u></u>			Remove Side Plate (6 Hooks).
2	Front Panel	Fig. D-2	2-Screws (C)
1			1-Connector (P3701)
		E:- D 0	9-Locking Tabs (a)
		⊱ig. u-3	When Front Panel is installed,
3	AV Digital C.B.A.	Eio D 6	confirm the Connector P7504. 2-Screws (D)
٦	AV Digital C.B.A.	rig. D-0	2-Screws (6) 2-Connectors (FP3201, P3701)
		Fig. D-5	
l		1 lg. D-0	When the EVR Connection C.B.A.
l			is installed, confirm the arrow
l			direction on C.B.A
4	Analog Y/C	Fig. D-6	2-Screws (E)
	C.B.A.		
5	Audio C.B.A.	Fig. D-6	
6	Motor Power	Fig. D-6	1-Connector (P2502)
╙	C.B.A.		Note 2: 2-Locking Tabs (c)
7	Power C.B.A.	Fig. D-6	1-Connector (P1102)
			7-Locking Tabs (d)
8	Front (L) C.B.A.	Fig. D-3	1-Connector (P4851)
L			2-Locking Tabs (e)
9	Front (R) C.B.A.	Fig. D-3	1-Screw (F)
ı			t-Connector (P4801)
1	5P Jack C.B.A.	F: D. C	2-Locking Tabs (f)
10	& DV Jack C.B.A.	Fig. D-5	1-Screw (G) 2-Connectors (P3781, P7651)
l	& DV Jack C.B.A.		1-Locking Tab (g)
11	Timer C.B.A.	Fig. D-4	3-Connectors
Ι'''	Timor V.D.A.	, ig. 5-4	(P7501, P7502, P7503)
ı			6-Locking Tabs (h)
12	Mechanism Unit	Fig. D-5	Remove the Tray Angle.
			Set the Mechnism to the
			"Eject" positiоп.
1			4-Connectors
l .			(P2705, FP5002, P6504, P6505)
\perp			3-Screws (H)
13	Main C.B.A.	Fig. D-6	4-Screws (D/E)
			2-Screws (I)
			4-Screws (J)
1			7-Locking Tabs (i)

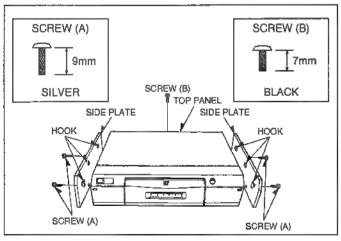
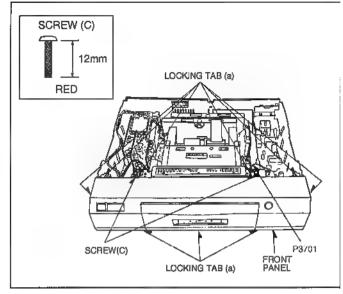
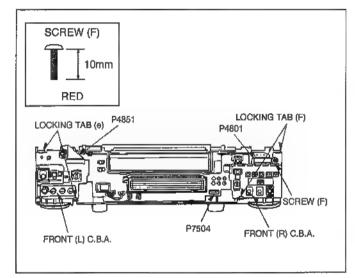


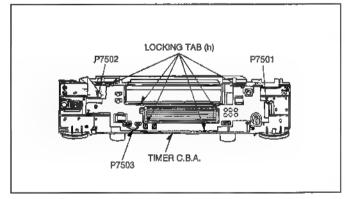
Fig. D-1



Flg. D-2



Flg. D-3



Flg. D-4

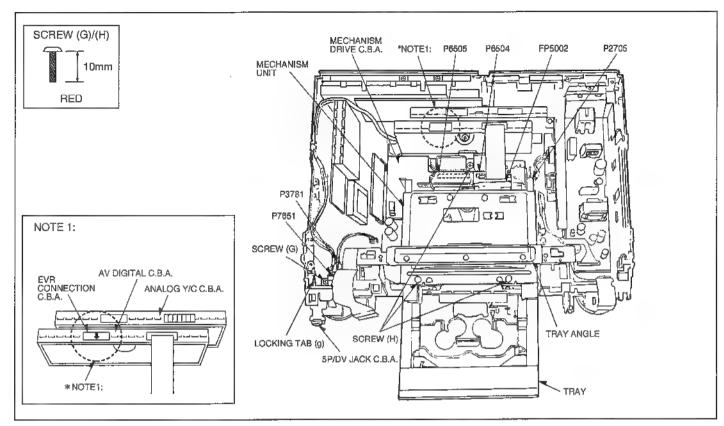


Fig. D-5

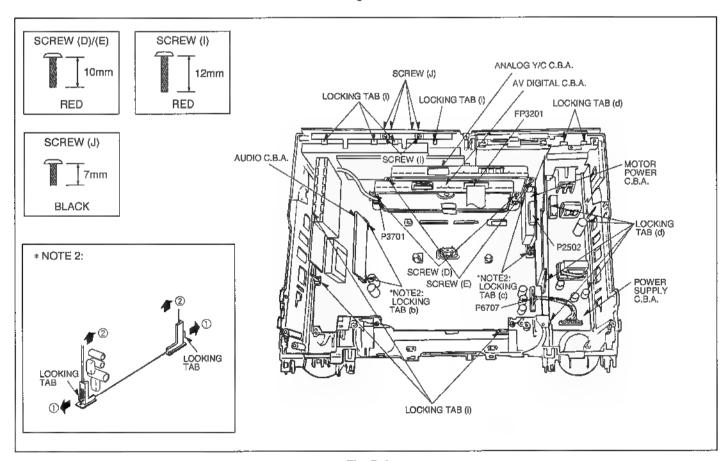


Fig. D-6

2. Disassembly/Assembly Procedures for Mechanism

2-1. Disassemble Flow Chart for Mechanism

This procedure starts with the condition that the mechanism unit has been removed from the unit.

The following chart indicates disassembly steps of the mechanical parts in order to gain access to part for servicing. When reinstalling, perform the steps in reverse order.

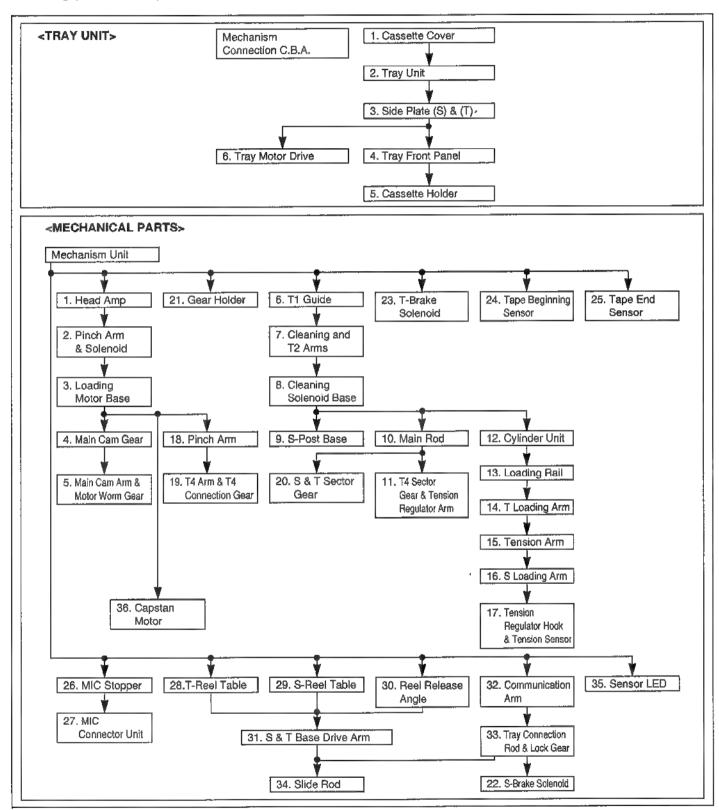


Fig. 2-1 Flow Chart

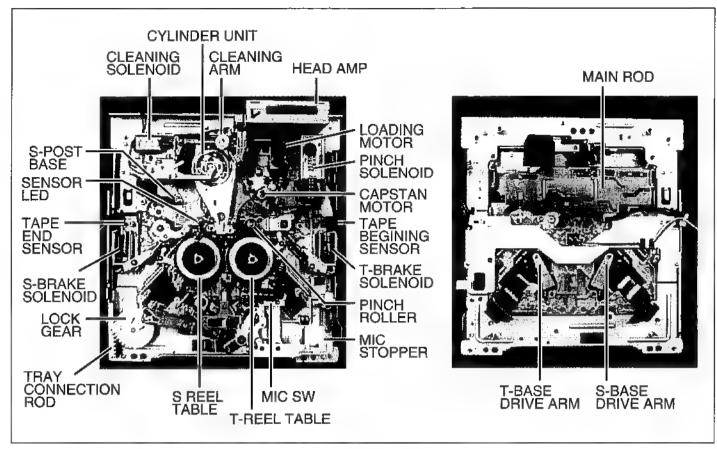


Fig. 2-2

2-2. Disassembly/Assembly Procedures (for Mechanical Parts)

1. Mechanism Connection C.B.A.

Unscrew 4 screws and disconnect following connectors.

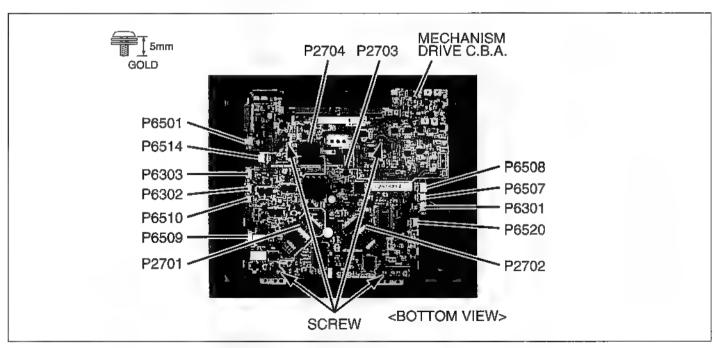


Fig. 2-3

2. Tray Unit

2-1. Cassette Cover

Fig. T-1 Set the Mechanism to Tray open position.

Unscrew 2 screws (A), then slide the Cassette Cover and unbook the hooking portion.

Fig. T-2 When the Tray can not be opened normally, slowly turn the Tray Drive Shaft until the Tray in fully opened

2-2. Tray Unit

Fig. T-3 Unscrew 4 screws (B) and disconnect P6502 when Mechanism Drive C.B.A. is connected to Mechanism Unit.

Fig. T-4 Since the Side Plate (S) is located underneath the Tray Connection Rod, then shift the Side Plate (S) in the front direction and lift it up.

Note of installation

Fig. T-5

Push the Tray Connection Rod in the rear direction and install the Tray Unit so that the Reel Shaft on the Side Plate (S) meets the groove on the Tray Connection Rod.

2-3. Side Plate (S) and (T)

Fig. T-6 Set the Pinion Gear so that the projection (A) is aligned to the Dot Mark on the Rack (S) and (T) and remove the Side Plate (S) and (T).

Note of Installation

Fig. T-10 Confirm the position of the Cassette Change Lever. (Down position)

Fig. T-7 Install the Pinion Gear so that the projection (B) on the pinion Gear is aligned to the hole on the Tray Drive Shaft Gear.

Flg. T-6 Install the Side Plate (S) and (T) so that the projection (A) is aligned to the dot mark on the Rack (S) and (T).

2-4. Tray Front Panel

Fig. T-8 Unscrew 2 screws (C) and unlock 4 locking tabs (A), then remove the Tray Front Panel.

2-5. Cassette Holder

Fig. T-9 Slightly open the S and T Rack Unit and slowly remove the Cassette Holder from the Groove on the S and T Rack Unit.

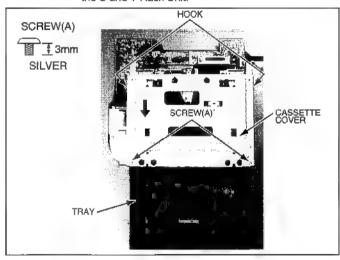


Fig. T-1

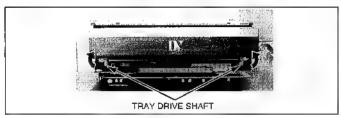


Fig. T-2

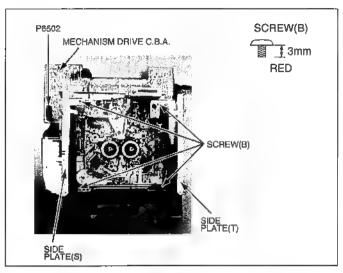


Fig. T-3



Fig. T-4

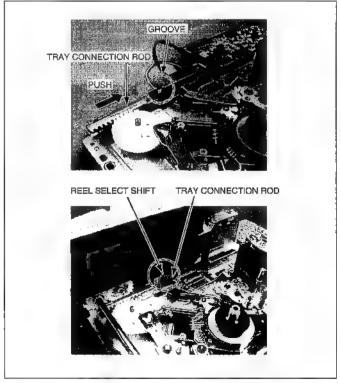


Fig. T-5

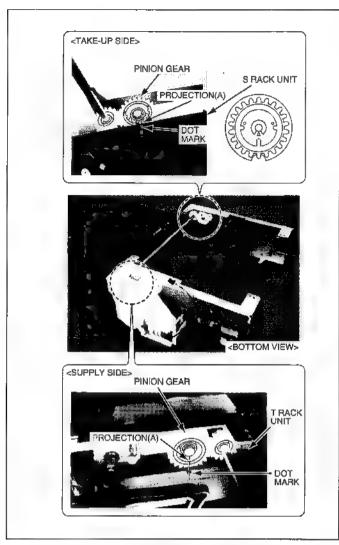


Fig. T-6

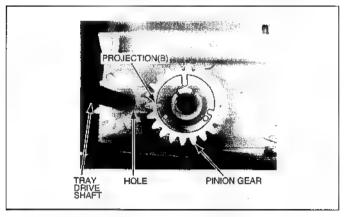


Fig. T-7

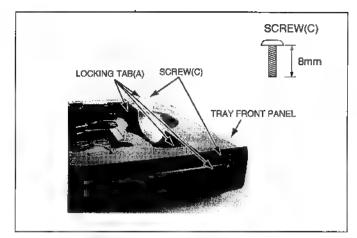


Fig. T-8

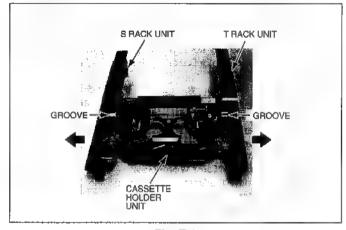


Fig. T-9

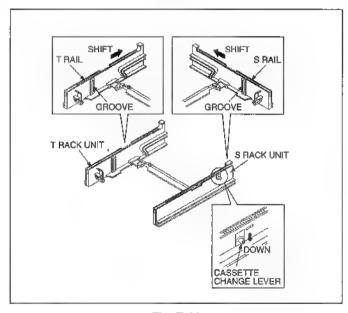


Fig. T-10

Note of installation

Fig. T-10 Shift the S and T Rail on the S and T Rack Unit to makethe Tray down condition.

Fig. T-11 Install the Cassette Holder Unit so that the projection (C) on the Cassette Holder meets the groove on the S and T Rack unit.

2-6. Tray Motor Drive Unit

Fig. T-12 Unlock 3 locking tabs (B) and remove the Tray Motor Drive Unit.

Fig. T-13 Remove the Syncro. Drive Gear, Worm Foil Gear, Worm Gear and Tray Motor.

3. Mechanical Parts

3-1. Head AMP

Fig. M-1 Unscrew 2 screws (E).

Fig. M-2 Slide the Shield Case in up direction and remove the Shield Case.

Disconnect FP5001.

3-2. Pinch Solenoid and Pinch Arm

Fig. M-3 Unscrew 2 screws (F) and remove Cut Washer.
Shift the Pinch Solenoid in left direction and remove the Pinch Solenoid and Pinch Arm.

3-3. Loading Motor Base

Fig. M-4 Unscrew 5 screws (G) and (H) and remove the Loading Motor Basc.

Note of Installation

Fig. M-7 Set the Motor Worm Gear to the Loading Motor Shaft.

Fig. M-5 Install the Loading Motor Base so that the projection (D)on the Mode SW meets the Hole on the Main Cam Gear.

3-4. Main Cam Gear

Fig. M-6 Remove the Main Cam Gear.

3-5. Main Cam Arm and Motor Worm Gear

Fig. M-7 Remove the Main Cam Arm and Motor Worm Gear.

Note of installation

Fig. M-8 Install the Main Cam Arm so that the projection (E) on the Main Cam Arm meets the hole on the Main Rod.

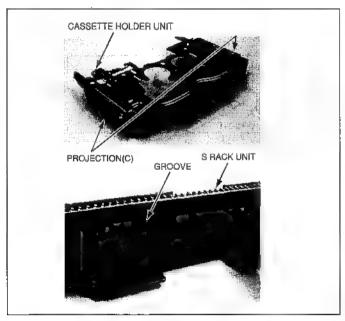


Fig. T-11

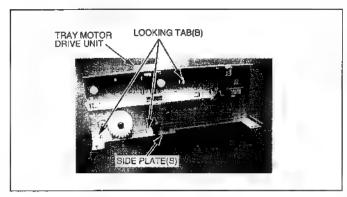


Fig. T-12

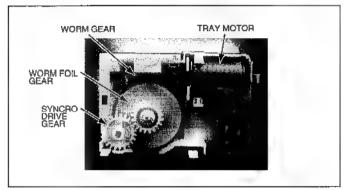


Fig. T-13

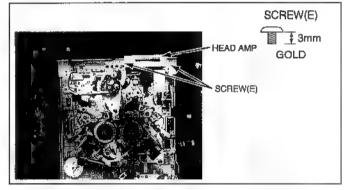


Fig. M-1

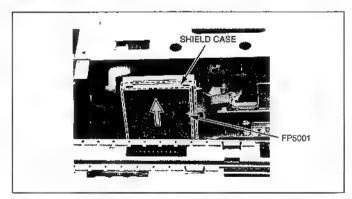


Fig. M-2

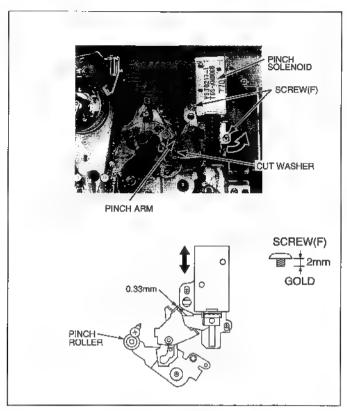


Fig. M-3

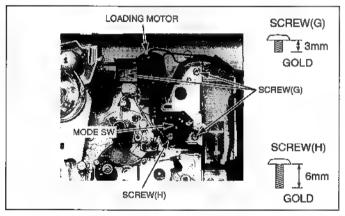


Fig. M-4

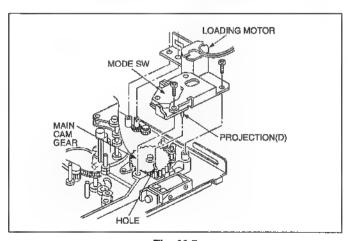


Fig. M-5

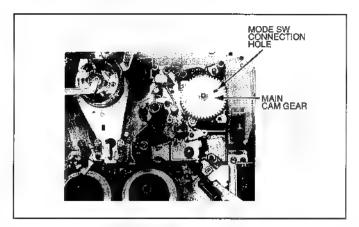


Fig. M-6

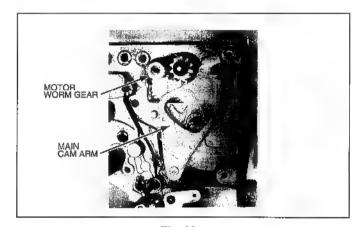


Fig. M-7

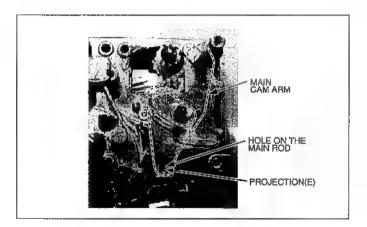


Fig. M-8

3-6. T1 Guide

Fig. M-9 Unscrew 2 screws (1) and remove the T1 Guide.

3-7. Cleaning Arm and T2 Arm

Fig. M-10 Unhook the Cleaning Spring.

Unlock the locking portion of the Cleaning Arm.

Remove the T2 Arm with Spring.

3-8. Cleaning Solenoid Base and Cleaning Solenoid

Fig. M-11 Unscrew 3 screws (J) and remove the Cleaning Solenoid Base.

Fig. M-12 Unscrew 2 screws (K) and remove the Cleaning Solenoid.

Note of installation

Fig. M-10 Adjust the Cleaning Solenoid Base so that the gap between the Cylinder and Cleaning Arm becomes 1.0mm +/- 0.1mm.

Confirm that the Cleaning Roller rotates when the Cleaning Solenold is turned on in the play mode.

3-9. S-Post Base

Fig. M-13 Unscrew 1 screw (L) and remove the S-Post Base.

3-10. Main Rod

Fig. M-14 Slide the Main Rod and remove it.

When the Cleaning Solenoid Base is not removed; Slightly shift the Cleaning Solenoid Base in direction and slide the Main Rod since the Main Rod is stopped by Cleaning Solenoid Base.

Note of installation

Fig. M-15 Install the Main Rod so that the each drive shaft meets the groove of the Main Rod. To lock the Main Rod, slide it in left direction.

3-11. T4 Sector Gear and Tension Regulator Arm

Fig. M-16 Remove the T4 Sector Gear and Tension Regulator Arm.

Note of installation

Fig. M-17 Install the T4 Sector Gear so that the alignment hole of the T4 Sector Gear is aligned to the alignment gear of the T4 Arm.

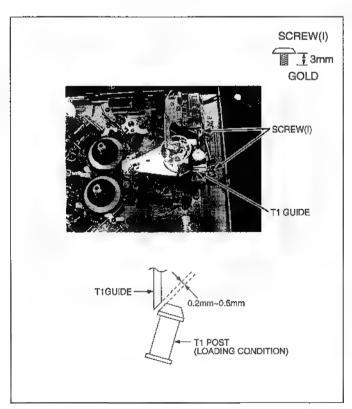


Fig. M-9

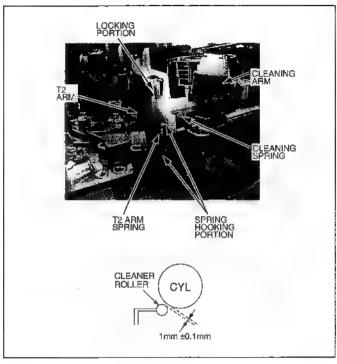


Fig. M-10

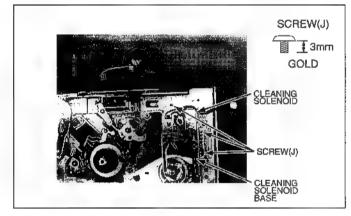


Fig. M-11

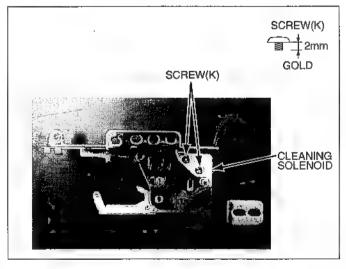


Fig. M-12

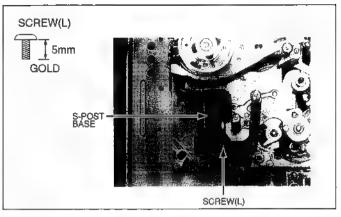
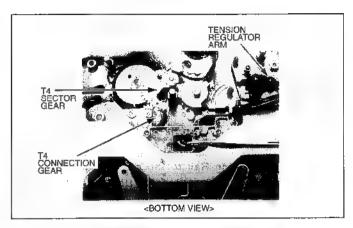
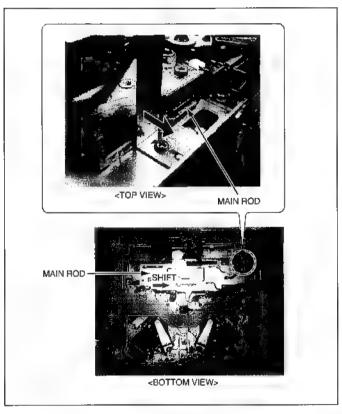


Fig. M-13



Flg. M-16



Flg. M-14

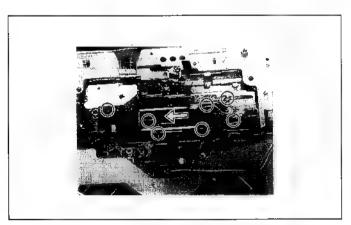


Fig. M-15

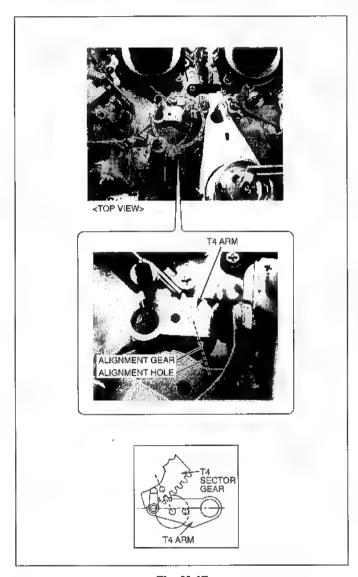


Fig. M-17

3-12. Cylinder Unit

Fig. M-18 Unscrew 4 screws (M) and (N). Then remove the Cylinder Unit carefully.

Fig. M-19 When removing or installing the Cylinder Unit, use extreme care so as not to damage the flexible cable.

3-13. Loading Rail

Fig. M-20 Unscrew 2 screws (O) and (P). Then slightly lift up the Loading Rail and slowly remove the S and T Loading Posts from the top side of the Loading Rail.

Note of installation

Fig. M-20 Install the S and T Loading Posts to the Loading Rail and set the Loading Rail to the chassis. Then install 2 screws (O) and (P).

3-14. T Loading Arm (Post)

Fig. M-21 Remove the E-Ring, washer and T Loading Arm. When replacing the T Loading Arm, perform the "Mechanical Adjustment Procedures".

Note of installation

Fig. M-21 Install the T Loading Arm so that the hole on the gear of the T Loading Arm is aligned to the hole on the T Sector Gear.

3-15. Tension Arm

Fig. M-22 Remove the cut washer and unhook the spring, then remove the Tension Arm.

When replacing the Tension Arm, perform the "Mechanical Adjustment Procedures".

3-16. S Loading Arm (Post)

Fig. M-23 Remove the E-Ring, washer and S Loading Arm.
When replacing the S Loading Arm, perform the "Mechnical Adjustment Procedures".

Note of installation

Fig. M-23 Install the S Loading Arm so that the hole on the gear of the S Loading Arm is aligned to the hole on the S Sector Gear.

3-17. Tension Regulator Hook and Tension Sensor

Fig. M-24 Unscrew 1 screw (Q) located under the S Brake Solenoid, washer and Tension Sensor.

Remove the cut washer and Tension Regulator Hook.

When replacing the Tension Sensor, perform the "Mechanical Adjustment Procedures".

Note of installation

Fig. M-25 After installed Tension Sensor, confirm the position of the Tension Sensor cable.

3-18. Pinch Arm

Fig. M-26 Remove the cut washer and Plnch Arm with spring. Note of Installation

Fig. M-26 Confirm the hooking portion of the spring.

3-19. T4 Arm and T4 Connection Gear

Fig. M-27 Remove the Nylon Nut using tweezers or box driver (2.5mm).

Remove the washer, spring and T4 Arm.

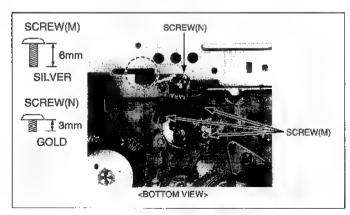


Fig. M-18

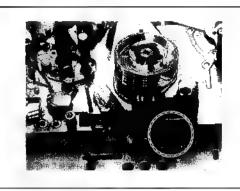


Fig. M-19

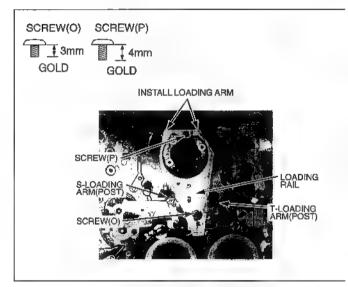


Fig. M-20

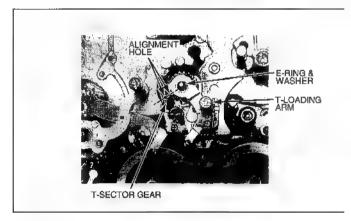


Fig. M-21

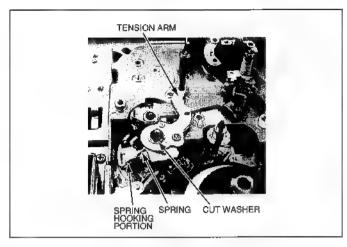


Fig. M-22

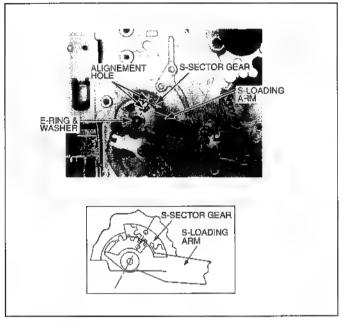


Fig. M-23

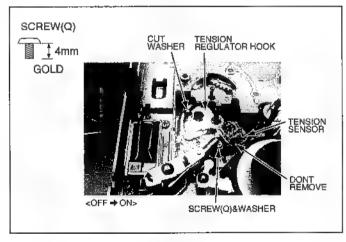


Fig. M-24

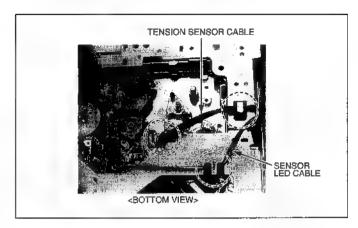
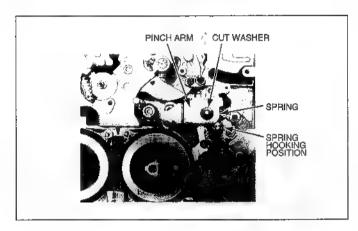


Fig. M-25



Flg. M-26

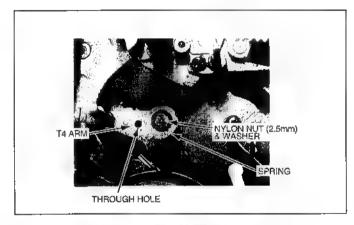


Fig. M-27

Fig. M-28 Remove the cut washer and T4 Connection Gear. When replacing the T4 Arm and/or T4 Connection

" Mechanical Adjustment Gear, perform the Procedures".

Note of Installation

Fig. M-28 Install the T4 Connection Gear and cut washer.

Fig. M-27 Install the T4 Arm so that the through hole on the T4 Arm is aligned to the alignment hole on the T4 Connection Gear as shown in Fig. M-28.

3-20. S and T Sector Gear

Fig. M-29 Turn the S and T Sector Gears to clockwise and remove these Gears.

3-21. Gear Holder

Fig. M-30 Unscrew 2 screws (R) and remove the Gear Holder.

Note of installation

Fig. M-30 When installing the Gear Holder, confirm the position of the flexible cable of the Capstan Motor.

3-22. S-Brake Solenoid

Fig. M-31 Unscrew 2 screws (S).

When removing the S-Brake Solenoid, the Tray Connection Rod must be removed because of the connector of the Solenoid is located between the Chassis and Tray Connection Rod.

Note of installation

Fig. M33 Adjust the S-Brake Solenoid so that the gap between theS-Brake and S-Reel Table becomes 0.2 to 0.5 mm (just release).

3-23. T-Brake Solenoid

Fig. M-32 Unscrew 2 screws (T) and remove the T-Brake Solenoid.

Note of installation

Fig. M33 Adjust the T-Brake Solenoid so that the gap between the T-Brake and T-Reel Table becomes 0.2 to 0.5 mm (just release).

3-24. Tape Beginning Sensor (T Sensor)

Fig. M-34 Unlock the locking portion and remove the Tape Beginning Sensor.

3-25. Tape End Sensor (S Sensor)

Fig. M-35 Unlock the locking portion and remove the Tape End Sensor.

3-26. MIC Stopper

Fig. M-36 Unscrew 2 screws (U) and remove the MIC Stopper.

3-27. MIC Connector Unit

Fig. M-37 Unscrew 1 screw (V) and remove the cut washer and MIC Connector Unit.

Note of installation

Fig. M-37 Install the MIC Connector Unit so that the projection (F) meets the hole on the MIC Connector Unit.

3-28. T Reel Table

Fig. M-38 Unscrew 4 screws (W) and remove the T Reel Table with 2 shifts.

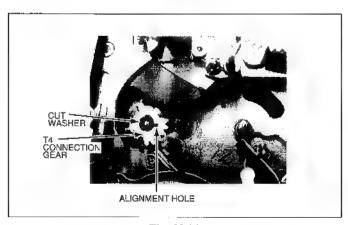


Fig. M-28

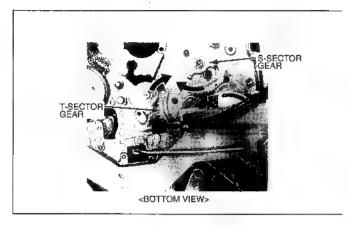


Fig. M-29

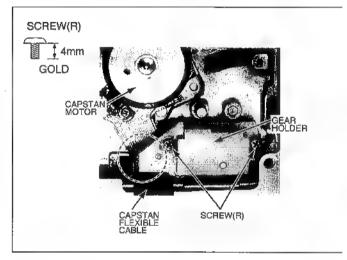


Fig. M-30

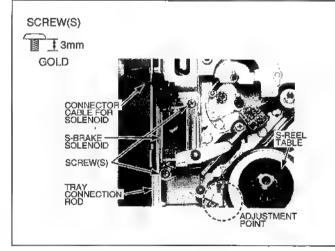


Fig. M-31

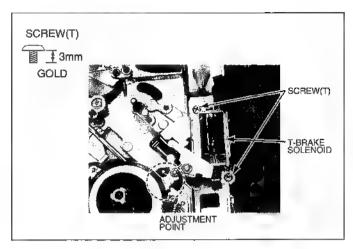


Fig. M-32

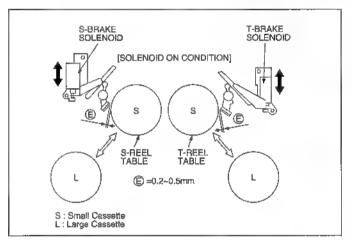


Fig. M-33

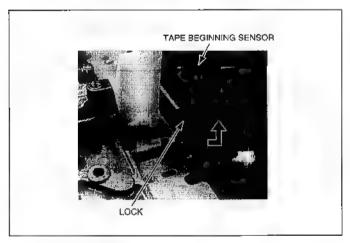
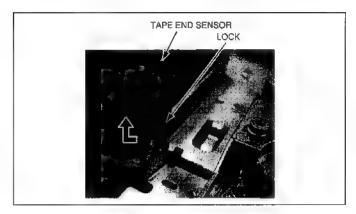


Fig. M-34



Flg. M-35

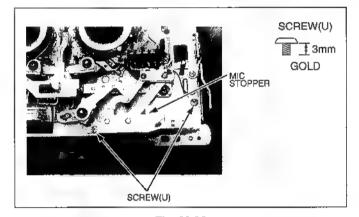


Fig. M-36

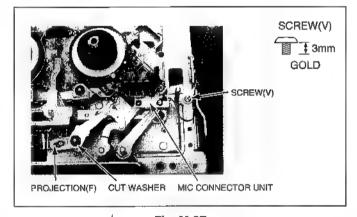


Fig. M-37

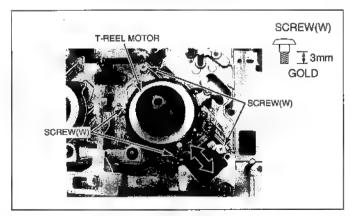


Fig. M-38

Note of installation

Fig. M-40 Set the inner and outer shafts to the T Ree! Table.

Fig. M-41/42 Install the T Reel Table with 2 shafts so that the groove under the T Reel Table meets the projection (G) on the T Base Drive Arm.

Then install 4 screws (W).

3-29. S Reel Table

Fig. M-39 Unscrew 4 screws (X) and remove the S Reel Table with 2 shifts.

Note of installation

Fig. M-40 Set the inner and outer shafts to the S Reel Table.

Fig. M-41/42 Install the S Reel Table with 2 shafts so that the groove under the S Reel Table meets the projection (G) on the ■ Base Drive Arm.

Then install 4 screws (X).

3-30. Reel Release Angle

Fig. M-42 Unscrew 2 screws (Y) and remove the Reel Release Angle.

3-31. S and T Base Drive Arm

Fig. M-43 Remove the cut washer, S and T Base Drive Arms.

Note of installation

Fig. M-43 Install the S and T Base Arms so that the projections (H) on the S and T Base Arms meet the groove on the Slide Rod.

3-32. Communication Arm

Fig. M-44 Remove the cut washer and Communication Arm.

3-33. Tray Connection Rod and Lock Gear

Fig. M-45 Pull the Tray Connection Rod in front direction to release the lock and remove it.

Remove the Lock Gear.

Note of installation

Fig. M-46 Install the Tray Connection Rod.

Then install the Lock Gear so that the hole on the Lock Gear is aligned to the hole on the Tray Connection Rod.

3-34. Slide Rod

Fig. M-47 Remove the cut washer and Slide Rod.

3-35. Sensor LED

Fig. M-48 Unscrew 1 screw (Z) and Sensor LED.

Note of installation

Fig. M-25 After installed Sensor LED, confirm the position of the Sensor LED cable.

3-36. Capstan Motor

Fig. M-49 Unscrew ■ screws (a) and Capstan Motor.

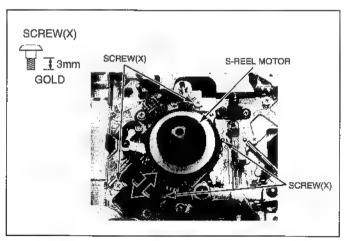


Fig. M-39

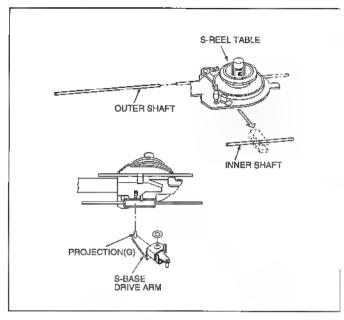


Fig. M-40

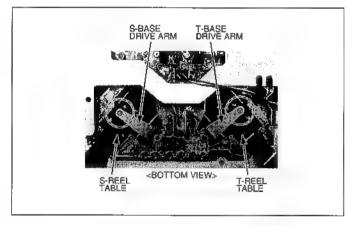


Fig. M-41

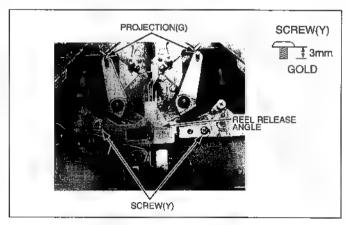


Fig. M-42

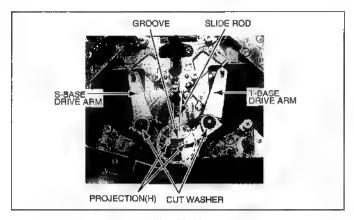


Fig. M-43

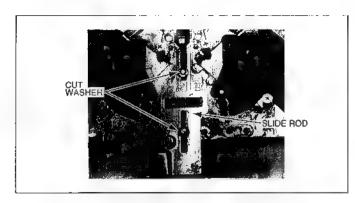


Fig. M-47

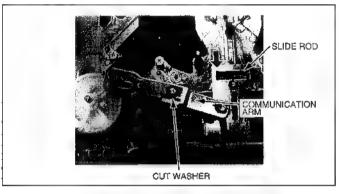


Fig. M-44

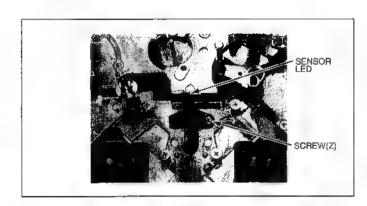


Fig. M-48

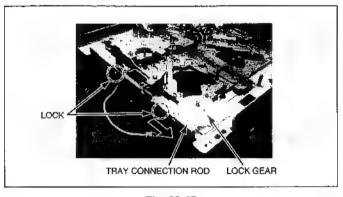


Fig. M-45

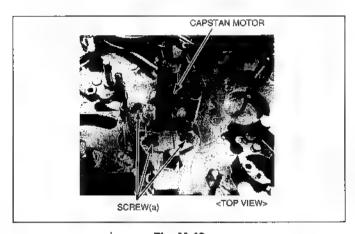


Fig. M-49

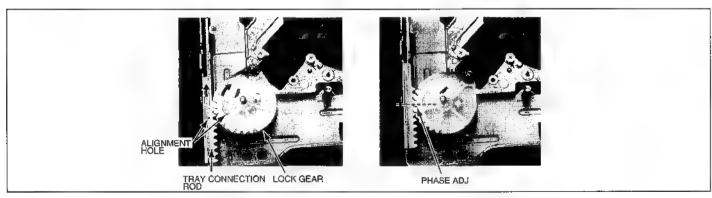


Fig. M-46

4. Mechanical adjustment

4-1. Name of Tape Transportation

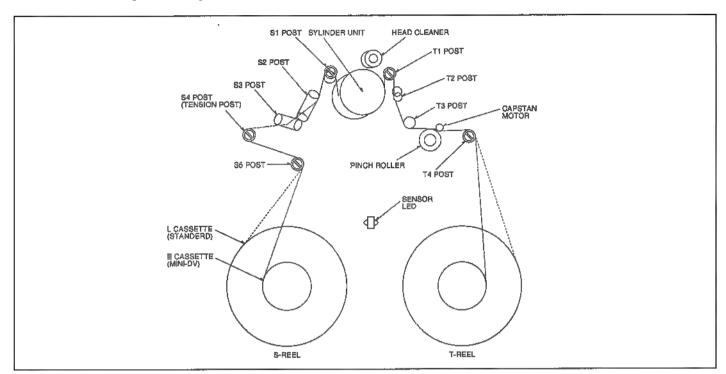


Fig. M-1

4-2. Cleaning Procedures

Make sure the power is off before cleaning. Use ethanol (more than 99% purity) as cleaning liquid.

4-2-1. Cleaning of Video Head

Clean heads by applying even pressure and rotating cylinder a few times. Never wipe in up and down motion. Never touch a cylinder by naked hand. First wipe with a cloth soaked by cleaning liquid. Then wipe with dry cloth.

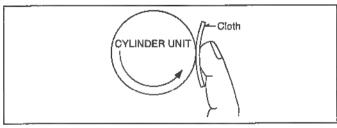


Fig. M-2

4-2-2. Cleaning of Drum Lead

Be careful not to touch ■ head chip. Clean the drum lead with a pick.

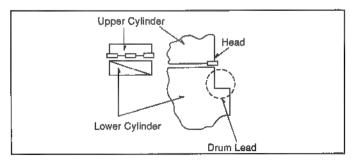


Fig. M-3

4-2-3. Cleaning of Pinch Roller and Capstan

Wipe the Pinch Roller and Capstan with a cloth soaked by cleaning liquid.

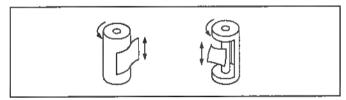


Fig. M-4

4-2-4. Cleaning of each Post

Wind a cloth on mpick. Wipe each post dry with that pick. Wipe again with a dry cloth. For metal posts wipe with cleaning liquid. Then wipe dry again.

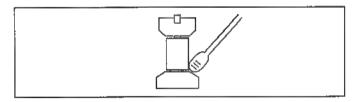


Fig. M-5

4-3. Reel Offset and Tension Arm Adjustment

Note:

Before beginning adjustment from the item 4-4., the "Reel Offset" and "Tension Arm Adjustment" described on the "5. Electrical Adjustment" must be done as shown in Fig. E-1.

4-4. T4, S4 and S5 Post Height Pre-Adjustment

Note:

Before this adjustment, the Servo Adjustment must be done. (Refer to "5. Electrical Adjustment".)

- Confirm the Reel Table is located at L (Standard) cassette position.
 If it is located at S (Mini-DV) cassette position, turn power on and insert L cassette and eject the L cassette.
- Turn power off. Remove the Front Loading Unit. Then place the Mech. Plate (VFK1348A) on the Reel Table.
- Place the Post Height Adj. Tool (VFK1450) on the Mech. Plate as shown in Fig. M-6 and adjust the T4 post height by using the Box Driver (VFK1151).
- Adjust the S4 and S5 post height by using the Post Driver (VFK1278).
- Then turn S4 and S5 posts 1 round counterclockwise from lower limit position.

T4 Post : Lower Limit (-0.5 +/- 0.05 mm) S4 Post : Lower Limit (+0.2 +/- 0.05 mm) S5 Post : Lower Limit (+0.2 +/- 0.05 mm)

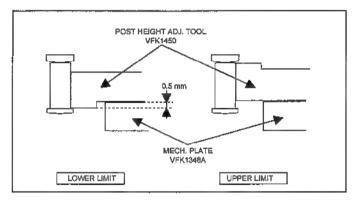


Fig. M-6

4-5. Tape Pass Adjustment Procedures

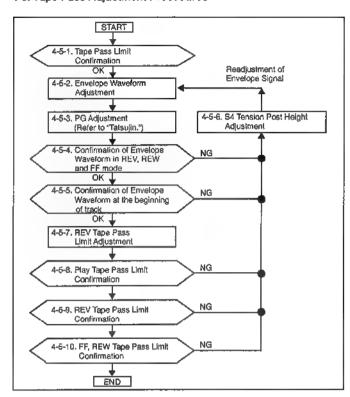


Fig. M-7

- 4-5-1. Tape Pass Limit Confirmation1. Place unit into Play mode, and adjust the height of each post do not to occurred tape damage.
- 2. Regarding the S1 Post and T1 Post, refer to item "4-5-2. Envelope Waveform Adjustment".
- 3. Confirm the tape pass limit of each post as shown in Fig. M-8.

POST NAME		TAPE LIMIT ADJUSTMENT		TAPE PASS LIMIT					
	Α	В	С	D	É	F	G	PORTION	
(101) Play (ape Pass Li	illi (Sephilan	akon							
S5 Post	×	Х	0	0	×	×	X	S5 Post	Lower Limit
\$4 (Tension) Post	×	×	×	0	×	×	×	S4 (Tension) Post	Lower Limit
S1 Post	×	0	×	×	×	×	×	S1 Post	Envelope Adjustment
T1 Post	×	0	×	×	×	×	×	T1 Post	Envelope Adjustment
T4 Post	×	×	0	×	×	×	×	T4 Post Arm Nut	Free Limit
45-57 REVINOPERESSELLI	ali Adili (Rica	es ret							
S5 Post	×	0	0	0	×	×	×	S5 Post	Lower Limit
S4 (Tension) Post	×	×	Ō	0	×	×	×	S4 (Tension) Post	Lower Limit
S1 Post	×	0	×	×	×	×	×	\$1 Post	Envelope Adjustment
T1 Post	×	ŏ	0	0	×	×	×	T1 Post	Envelope Adjustment
T4 Post	X	×	0	×	×	×	×	T4 Post Arm Nut	Free Limit
							1		
is 5. Play T <mark>ape Pas</mark> s Lir S5 Post	mu eonnimi ×	ation ×	0	0	×	×	×	S5 Post	Lower Limit
S4 (Tension) Post	×	×	×	0	×	×	×	S4 (Tension) Post	Lower Limit
			×	×	×	×	×	S1 Post	Envelope Adjustment
S1 Post	×	0		_		×	×	T1 Post	Envelope Adjustment
T1 Post	X		×	×	X	<u> </u>		T4 Post Arm Nut	Free Limit
T4 Post	×	×	×	0	×	×	Х	14 Post Aim Nut	rice Limit
PSS) REValapa Pass Uj								less :	1
S5 Post	×	0	0	. 0	×	×	<u>×</u>	S5 Post	Lower Limit
S4 (Tension) Post	×	0	0	0	×	×	×	S4 (Tension) Post	Lower Limit
S1 Post	×	0	×	×	×	×	×	S1 Post	Envelope Adjustment
T1 Post	×	0	0	0	×	×	×	T1 Post	Envelope Adjustment
T4 Post	×	0	0	0	×	×	×	T4 Post Arm Nut	Free Limit
4.5 TO BE / REW Tape P	iss Umire	onfirma	don						-
S5 Post	×	0	0	0	×	×	×	S5 Post	Lower Limit
S4 (Tension) Post	×	×	0	0	×	×	×	S4 (Tension) Post	Lower Limit
S1 Post	×	0	×	×	×	×	×	S1 Post	Envelope Adjustment
T1 Post	×	0	0	0	×	×	×	T1 Post	Envelope Adjustment
T4 Post	×	0	0	0	×	×	×	T4 Post Arm Nut	Free Limit
	0: ×:		acceptal not acce				[
A : Curl	B : Upper		C : Fre	Эе	D:Lo	wer	Ę	: Curl F : Bend	G : Drop

Flg. M-8

4-5-2. Envelope Waveform Adjustment

<Pre-Adjustment>

- Hook up the PC EVR System as shown in Fig. 2-7 (Section 1).
 Then starts the RF / VITERBI Adjustment in the Video Section.
- Connect the oscilloscope to "Envelope" and "GND" on the Measuring TP Board (VFK1409). Then playback the Alignment Tape (VFM3110EDS) and adjust S1 and T1 posts so that the envelope output is within following specification (Fig. M-9). Use "HID1" as a trigger.
 - When the S1 and T1 posts are adjusted, first raise the post height and make small the entrance and exit side of the envelope, then down the post until envelope becomes flat.
- Adjust T1 post and makes exit side of the envelope flat then adjust S1 post.

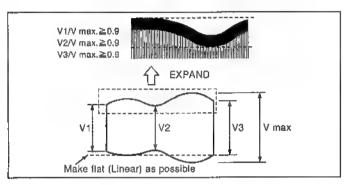


Fig. M-9

<Fine Adjustment>

- Playback the self recorded tape and readjust S1 and T1 posts so that the BER counter number becomes the minimum.
- After adjustment, unload the tape then loading the tape. Then confirm the waveform style and BER counter number is minimized.

4-5-3. PG Adjustment

Since the adjustment procedure for "PG Adjustment" is supported only "PC EVR System", refer to "PC EVR" software.

4-5-4. Confirmation of Envelope Waveform in REV, REW and FF mode

- 1. Hook up the PC EVR System as shown in Fig. 2-7 (Section 1).
- Connect the oscilloscope to "Envelope" and "GND" on the Measuring TP Board (VFK1409).
- Confirm the Envelope Waveform signal is in the specification in the REV, REW and FF mode as shown in Fig. M-10.
- It is out of specification, after adjusting the "4-5-6. S4 Tension Post Height Adjustment", confirm this "Envelope Waveform in REV, REW and FF mode" again.

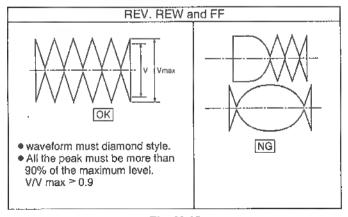


Fig. M-10

4-5-5. Confirmation of Envelope Waveform at the beginning of track

- Observe the Envelope Waveform signal by oscilloscope and confirm the envelope signal is in the specification in the transition from FF to Play, from REW to Play, from REV to Play and from Loading completion to Play.
- If it is out of specification, after adjusting the "4-5-6. S4 Tension Post Height Adjustment", confirm this "Envelope Waveform at beginning of track" again.

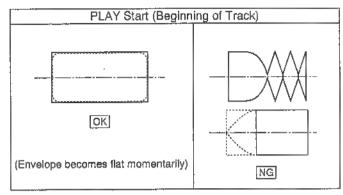


Fig. M-11

4-5-6. S4 Tension Post Height Adjustment

Note:

This adjustment should be done when the "4-5-2. Envelope Waveform Adj.", "4-5-4. Confirmation of Envelope in REV, REW and FF mode" or "4-5-5. Confirmation of Envelope Waveform at the beginning of Track" can not be achieved the specification.

- Rotate the S4 Tension Post height 90 degrees counterclockwise from lower limit position.
- Adjust S1 and T1 post height adjustment again. Refer to the "4-5-2. Envelope Waveform Adjustment".
- Confirm the "Play Start Envelope Waveform". Refer to the "4-5-5. Confirmation of Envelope Waveform at the beginning of Track".
- If it is not in the specification, repeat item 1 to 3. The maximum rotation angle is 360 degrees.
- Even the height is still out of specification, confirm the "4-4. T4, S4 and S5 Post Height Pre-Adjustment".

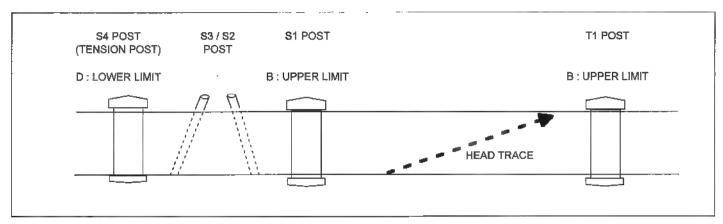


Fig. M-12

4-5-7. REV Tape Pass Limit Adjustment

- Place unit into REV mode, and adjust T4 Post so that the lower limit touches the tape.
- 2. Confirm the tape pass limit of each post as shown in Fig. M-8.
- This adjustment must be done after "4-5-2. Envelope Waveform Adjustment".

4-5-8. Play Tape Pass Limit Confirmation

- Place the unit into Play mode, and confirm the each post limit is in the specification as shown in Fig. M-8.
- This adjustment must be done after "4-5-2. Envelope Waveform Adjustment".
- Regarding T4 Post, confirm and adjust this confirmation alternately with "4-5-9. REV Tape Pass Limit Confirmation".
- 4. Confirm the tape pass limit for both L and S cassettes.

4-5-9. REV Tape Pass Limit Confirmation

- Place the unit into REV mode, and confirm the each post limit is in the specification as shown in Fig. M-8.
- This adjustment must be done after "4-5-2. Envelope Waveform Adjustment".
- This adjustment should be done alternately with "4-5-8. Play Tape Pass Limit Confirmation".
- 4. Confirm the tape pass limit for both L and S cassettes.

4-5-10. FF, REW Tape Pass Limit Confirmation

- Place the unit into FF and REW mode, and confirm the each post limit is in the specification as shown in Fig. M-8.
- This adjustment must be done after "4-5-2. Envelope Waveform Adjustment".
- 3. Confirm the tape pass limit for both L and S cassettes.

5. Electrical Adjustment

Since the "PG Shifter Adj." and Video adjustments except "EE Y Level Adj." are required the "PC EVR System", these adjustment procedures are described on "Tatsujin" software.

1. Servo Circuit

1-1. T and E Reel Offset Adj.

[Take up Real Offset A	dj.]		
TP	ADJ	MODE	Jig & Tool
TP2701 (T ET)	VR2702 (T VR)	Cassette	
TP2702 (T GND)		Down (Stop)	
TAPE	M. EQ	SPI	EC.
Mini UV	D.V,M.	0 +/-	1mV

[T Reel Offset Adj.]

- 1. Set a cassette on the tray and make the cassette down condition.
- Connect the Digital Volt Meter between TP2701 (T ET) and TP2702 (T GND).
- 3. Adjust VR2702 (T VR) so that the voltage becomes 0 +/- 1mV.

[Supply Reel Offset Ad	i.l		
TP :	ADJ	MODE	Jiq & Too!
TP2703 (S ET)	VR2701	Cassette	
TP2704 (\$ GND)	(\$ VR)	Down (Stop)	
TAPE	M. EQ	SPE	C.
Mint DV	D.V.M.	0 +/-	1mV

[S Reel Offset Adj.]

- 1. Set a cassette on the tray and make the cassette down condition.
- Connect the Digital Volt Meter between TP2703 (S ET) and TP2704 (S GND).
- 3. Adjust VR2701 (S VR) so that the voltage becomes 0 +/- 1mV.

Tension Adjustment

When this adjustment is done, melt the grew of the adjustment screws as shown in Fig. E-6

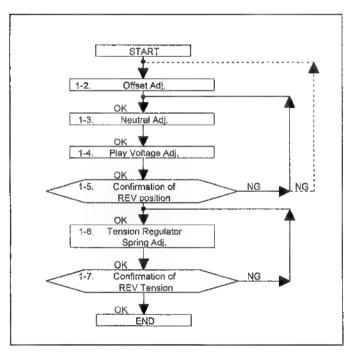


Fig. E-1

1-2. Tension Arm Offset Adj.

TP	ADJ	MODE	Jig & Too
TP6502 (TP2)	VR6501	Cassette	
TP6503 (TP3) TAPE	(TEN SET) M. EQ	Down (Slop) SPI	I EC.
Mini DV	D.V.M,	0 +/- 0.03V	
	i		

- 1. Set a cassette on the tray and make the cassette down condition.
- Connect the Digital Volt Meter between TP6502 (TP2) and TP6503 (TP3).
- Adjust VR6501 (TEN SET) so that the voltage becomes +/- 0.03V.

1-3, Tension Arm Neutral Adj.

	TP	ADJ	MODE	Jig & Tool
Γ	TP6502 (TP2)	Tension Regulator	Loading Condition	VFK1208
L	TP6503 (TP3)	Base	(Service Mode 7)	(Black with Hole)
	TAPE	M. EQ	SPE	EC.
Г		D.V.M.	0 +/- (0.06V
L				

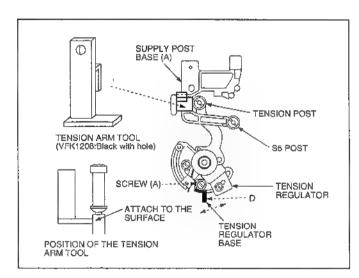
- 1. Remove the Tray Unit.
- 2. Set the VFK1208 to the Supply Post Base (A) as shown in Fig. E-2.
- Place the unit into the no tape-loading mode by using Service Mode described as follows.
 - Press the "FF" and "Eject" buttons simultaneously in eight times toset the Service Mode No. 7.
 - Set the mechanism to loading condition by pressing the "Play" button.

Play button: Loading direction Stop button: Unloading direction

- Connect the Digital Volt Meter between TP6502 (TP2) and TP6503 (TP3).
- 5. Loosen screw (A).
- Adjust the Tension Regulator Base so that the voltage becomes 0 +/- 0.06V by moving the (D) portion with tweezers that are not magnetized.
- 7. Then tighten the screw (A).

Caution

Don't touch the magnetized driver or tweezers to S-Reel FG magnet portion, when the "D" portion is adjusting.



Flg. E-2

1-4. Tension Arm Play Voltage Adj.

TP	ADJ	MODE	JI & Tool
TP6502 (TP2)	VR6502	Loading Condition	VFK1156
TP6503 (TP3)	(TEN GAIN)	(Service Mode 7)	(Black)
TAPE	M. EQ	- SPE	EC
	D.V.M.	0.92 +/-	V80.0

- 1. Remove the Tray Unit.
- 2. Set the VFK1156 to the Supply Post Base (A) as shown in Fig. E-3.
- Place the unit into the no tape-loading mode by using Service Mode.
- Connect the Digital Volt Meter between TP6502 (TP2) and TP6503 (TP3).
- Adjust the VR6502 (TEN GAIN) so that the voltage becomes 0.92 +/- 0.03V.

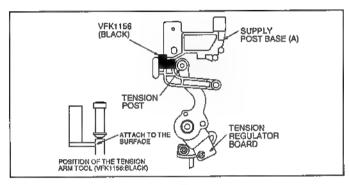


Fig. E-3

1-5. Confirmation of REV position of the Tension Arm

TP	ADJ	MODE	Jig & Tool
TP6502 (TP2) TP6503 (TP3)		Loading Condition (Service Mode 7)	VFK1155 (White)
TAPE	M. EQ	SPEC.	
	D.V.M.	-0.92 +/- 0.2V	

- 1, Remove the Tray Unit.
- 2. Set the VFK1155 to the Supply Post Base (A) as shown in Fig. E-4.
- Place the unit into the no tape loading mode by using Service Mode.
- Connect the Digital Volt Meter between TP6502 (TP2) and TP6503 (TP3).
- 5. Confirm the voltage is in the specification.
- 6. Il it is out of specification, readjust "1-3. Tension Arm Neutral Adj." and "1-4. Tension Arm Play Voltage Adj.".
- If it is still out of specification, replace the Tension Post unit and readjust the Tension Arm Adjustment from "1-2. Tension Arm Offset Adj.".

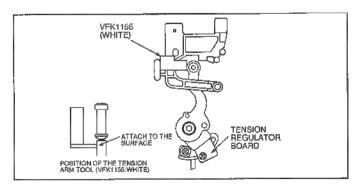


Fig. E-4

1-6. Tension Regulator Spring Adj.

TP	ADJ	MODE	Jig & Tool
TP6502 (TP2)	Tension	Loading Condition	VFK1188
TP6503 (TP3)	Regulator	(Service Mode 7)	(Đìai Tension
Tension Post	Spring Position		Gauge)
TAPE	M. EQ	SPE	C
	D.V.M.	0.92 V (Pla	y Position)
	Dial Tension	11 +/- 1gf	
	Gauge		

- 1. Remove the Tray Unit.
- Place the unit into the no tape loading mode by using Service Mode.
- Connect the Digital Volt Meter between TP6502 (TP2) and TP6503 (TP3)
- 4. When pressing the R portion of the Tension Post in arrow direction by Dial Tension Gauge (VFK1188) until the voltage becomes 0.92V (Play Position) as shown in Fig. E-5, loosen screw (C) and adjust the Tension Regulator Spring position (Hook B) so that the tension is in the specification 11 +/- 1gf.
- 5. Tighten screw (C).

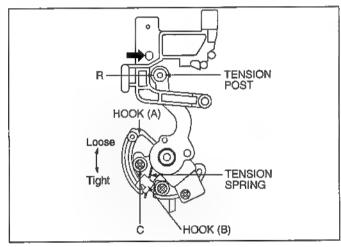


Fig. E-5

1-7. Confirmation of REV Tension

ŢΡ	AOJ	MODE	Jig & Tool
TP6502 (TP2)	Tension	Loading Condition	VFK1188
TP6503 (TP3)	Regulator	(Service Mode 7)	(Dial Tension Gauge)
Tension Post	Spring Position		
TAPE	M. EQ_	SPEC.	
	D.V.M.	-0.92 V (REV Position)	
	Dial Tension	18 +/- 2gf	
	Gauge		

- 1. Remove the Tray Unit.
- Place the unit into the no tape loading mode by using Service Mode.
- Connect the Digital Volt Meter between TP6502 (TP2) and TP6503 (TP3).
- 4. When pressing the R portion of the Tension Post in arrow direction by Dial Tension Gauge (VFK1188) until the voltage becomes -0.92V (REV Position) as shown in Fig. E-5, confirm the tension is in the specification 18 +/- 2gf.
- 5. II it is not, adjust "1-6. Tension Regulator Spring Adj." again.
- Grew the screw A, B and C after Tension Arm Adjustment. The grew quantity at B portion is half of A and C portions as shown in Fig. E-6.

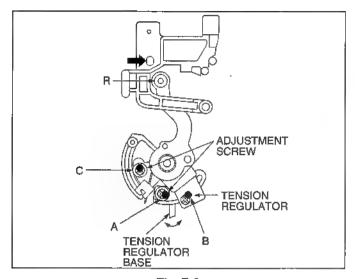
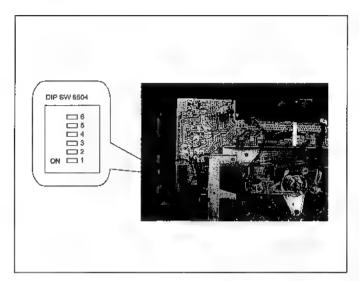


Fig. E-6



Flg. E-7

1-8. Supply and Take-up Photo Sensor Sensitivity Adj.

[Supply Photo Sensor Ar	tj.)			
TP	ADJ	MODE	Jig & Tool	
TP6501 TP6504 (S Photo)	DIP SW (\$6504)	Stop	VFK1425 (5%) VFK1217 (49%) Sensor Cassette	
TAPE	M. EQ	SPEC.		
Sensor Cassette	D.V.M.	0.5 - 1.0 V		
		Refer to Fig. E-8		

[Supply Photo Sensor Adj.]

is more that 1.0V.

- 1. Set all of the DIP SW (S6504) to ON.
- 2. Insert the 6% Sensor Cassette VFK1426.
- Connect the Digital Volt Meter between TP6501 and TP6504 (S Photo).
- 4. Adjust the DIP SW as shown in Fig. E-8.
- Confirm that the tape is not loaded when installing the 49% Sensor Cassette VFK1217.
- If the tape is loaded when install the 49% Sensor Cassette readjust this adjustment.

Replace the Supply Photo Sensor. Then readjust this adjustment.

[Take-up Photo Sensor Adj.]

TP	ADJ	MODE	Jig & Tool
TP6501	DIP SW		VFK1426 (6%)
TP6506 (T Photo)	(56504)	Stop	VFK1217 (49%)
			Sensor Cassette
TAPE	M. EQ.	SPEC.	
Sensor Cassette	D.V.M.	0.5 - 1.0 V	
		Refer to Fig. E-9	

[Take-up Photo Sensor Adj.]

- 1. Set all of the DIP SW (S6504) to ON.
- 2. Insert the 6% Sensor Cassette VFK1426.
- Connect the Digital Volt Meter between TP6501 and TP6505 (T Photo).
- 4. Adjust the DIP SW as shown in Fig. E-9
- Confirm that the tape in not loaded when installing the 49% Sensor Cassette VFK1217.
- If the tape is loaded when install the 49% Sensor Cassette, readjust this adjustment.

[Supply Sensor]			
TP6501 - TP6504 VOLTAGE	DIP SW (86504) ADJUSTMENT PROCEDURES	RESULT OF THE ADJUSTMENT	REMARKS
When the voltage is 0 - 0.5 V.	1. Change only SW 6 to OFF 2. Change only SW 5 to OFF 3. Change SW 5 and 6 to OFF 4. Change only SW 4 to OFF II. Change SW 4 and III to OFF 6. Change SW 4 and 5 to OFF	If the voltage is not 0.5 - 1.0 V, proceed to the item 2. If the voltage is not 0.5 - 1.0 V, proceed to the item 3. If the voltage is not 0.5 - 1.0 V, proceed is the item 4. If the voltage is not 0.5 - 1.0 V, proceed to the item 8. If the voltage is not 8.5 - 1.0 V, proceed to the item 8.	If the voltage is in the specification (0.5 - 1.0 V), this adjustment is done.
When the voltage is 0.5 - 1.0 V.	This adjustment is not necessary.		
When the voltage	NG		

Fig. E-8 Supply Photo Sensor Adj.

TP6501 - TP6505	DIP SW (\$6504)		
VOLTAGE	ADJUSTMENT PROCEDURES	RESULT OF THE ADJUSTMENT	REMARKS
When the voltage is 0 - 0.5 V.	1. Change only SW 1 to OFF 2. Change only SW 2 to OFF 3. Change SW 1 and 2 to OFF 4. Change only SW 3 to OFF 5. Change SW 1 and 3 to OFF 6. Change SW 2 and 3 to OFF	If the voltage is not 0.5 - 1.0 V, proceed to the item 2. If the voltage is not 0.5 - 1.0 V, proceed to the item 3. If the voltage is not 0.5 - 1.0 V, proceed to the item 4. If the voltage is not 0.5 - 1.0 V, proceed to the item 5. If the voltage is not 0.5 - 1.0 V, proceed to the item 5.	If the voltage is in the specification (0.5 - 1.0 V), this adjustment is done.
When the voltage is 0.5 - 1.0 V.	This adjustment in not necessary.		
When the voltage is more that 1.0V.	NG Replace the Take-up Photo Sensor. Then r	eadjust this adjustment.	

Fig. E-9 Take-up Photo Sensor Adj.

2. Video Circuit

2-1. Phase Difference of Y/C Sepa. V Blanking Pulse Adj.

TP	ADJ	MODE	Input
TP30001	VR30001	Slop	Colour Bar
TP30005		(E-E)	Signal
TAPE	M. EQ	s	PEC.
	Oscilloscope		Difference T
	1	24	±0.5H

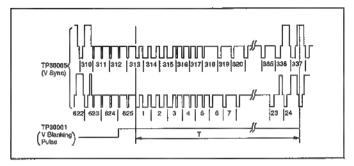


Fig. E-10

2-2. Phase Difference of Y/C Sepa. H blanking Pulse Adj.

TP	ADJ	MODE	Input
TP30004	VR30003	Stop	Golour Bar
TP30005		(E-E)	Signal
TAPE	M. EQ	SP	EC.
	Oscilloscope	Phase D	Oliference ·
		T=9.0±0).25µsec.

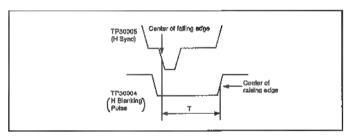


Fig. E-11

2-3. PAL Encoder Free Run Frequency Adj.

ΤP	ADJ	BOOM	Input
TP30009	VC30002	Free Run	
TP30010			
(TP3007, 8)	44.50		
TAPE	M, EQ	SP SP	EC
	Frequency	Output	Freq.=
	Counter	4.4336197	AHz±50Hz

- 1. Connect TP30010 to GND and put the unit into Free Ruπ mode.
- 2. Apply 5V DC power to TP30007 and 2.6V DC to TP30008.

2-4.Edit OSD Colour Burst Clock Frequency Adj.

TP	ADJ	MODE	<u>Input</u>
TP30003	VC30001	Stop	
(TP30002)		(E-E)	
TAPE	M. EQ	SPEC.	
	Frequency	Output Freq.=	
	Counter	4.4336191	MHz±50Hz

1. Connect TP30002 to GND.

2-5.Edit OSD dot Clock Frequency Adj.

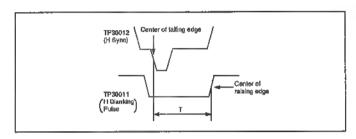
TP	ADJ	MODE	Input
TP30013	VC30003	Stop	
(TP30002)		(E-E)	
TAPE	M. EQ	SPEC.	
	Frequency	Output Frequency=	
	Counter	6.850MHz±60KHz	

1. Connect TP30002 to GND.

2-6. Phase Difference of Color CTL Burst Gate Pulse Adj.

	TP	ADJ	MODE	Input
Г	TP30011	VR30004	Stop	Colour Bar
	TP30012		(E-E)	Signal
	TAPE	M. EQ	SPEC.	
Г				ifference
		Oscilloscope	T=9.0±0.25µsec.	

1. Connect TP30002 to GND.



Flg. E-12

2-7.E-E Y Level Adj.

ΤP	ADJ	MODE	Input "
TP3002	VR30002	Stop	Colour Bar
(I/O Pack)	Analog Y/C Pack	(E-E)	Signal
TAPE	M. EQ	SP	EC.
	Desiller		vel⊳
	Oscilloscope	2.0±0.1Vp-p	

1. Terminate the VIDEO OUT at 75Ω .

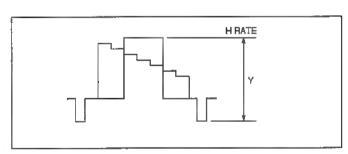


Fig. E-13

3. Audio Circuit

3-1. Level Meter Adj.

TP	ADJ	MODE	Input
Lavel Meter on	VR4004	Stop	1 kHz, -6dB
the Front Panel		(E-E)	Audio Signal
TAPE	M.EQ	SPEC.	
		■ [dB] Indicator on the	Audio Level
		Meter just lights up.	

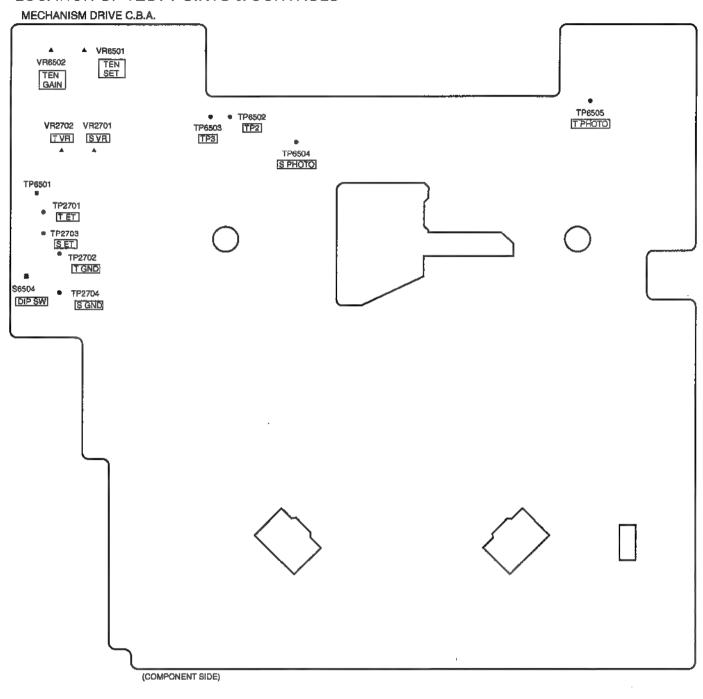
- 1. Set the Audio Rec Level Volume to center (click position : 5)
- Set the output level of the Signal Generator to 1 kHz / -6dB and supply it to both Audio Input Line 1 terminals (L) and (R).
- Adjust VR4004 until the 0dB of the Level Meter on the FIP just lights up.

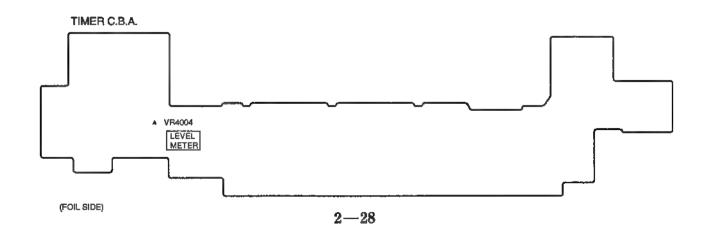
6. SPECIAL FIXTURES AND TOOLS

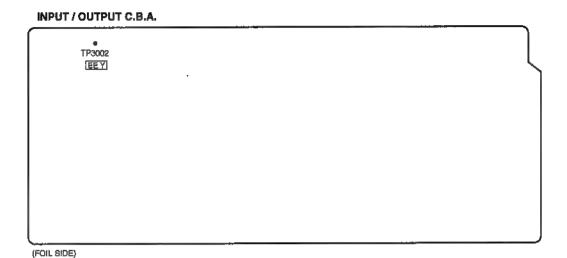
In order to keep the factory adjustment specifications, the following special tools should be used to conduct mechanical and electrical adjustments and servicing.

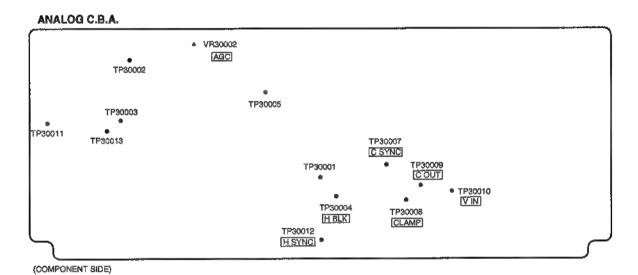
mechanical and elect	rical adjustments and s	ervicing.		
Electrical Service ar	nd Adjustment			
VFK1409	VFK1410	VFK1317	VFK1405	VFK1406
Measuring Board	Connection Board	30pin Flat Cable (Needs 2 cables)	Audio Extender Board	Digital Extender Board
VFK1407P	VFK1408	VJA0941	VFK1436	VFK1448
Y/C Extender Board	Motor Extender Board	DC Cable	14pin Extender Cable	12pin Extender Cable
		(For Measuring Board)		
		0-030-0		
VFK1446	VFK1445	VFK0849	VFK1485	VFM3110EDS
32 Flat Cable	26 Flat Cable	20pin Flat Cable	EVR Software	Alignment Tape
				(Color Bar)
Mechanical Service	and Adjustment			
VFK1348A	VFK1450	VFK1151	VFK1149	VFK1188
Neutral Plate	Post Height Fixture	Box Driver	Post Driver	Dial Tension Gauge
		2.5mm		
VFK1217	VFK1426	VFK1155	VFK1156	VFK1208
49% Sensor Cassette	6% Sensor Cassette	Neutral Position Tool (REV/White)	Neutral Position Tool (PLAY/Black)	Neutral Position Tool (NEUTRAL/ Black w/Hole)
		<u> </u>	1	

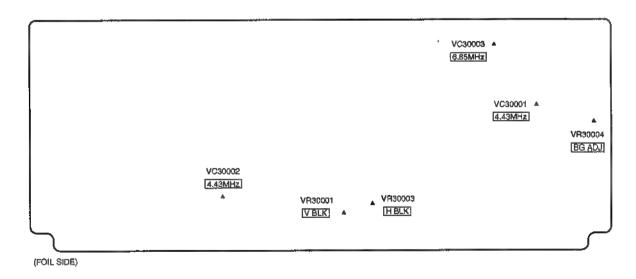
LOCATION OF TEST POINTS & CONTROLS











Memo

SECTION 3 BLOCK DIAGRAMS & SCHEMATIC DIAGRAMS

3-1. ABBREVIATIONS

1	INITIAL/LOGO	ABBREVIATIONS	Т	INITIAL/LOGO	ABBREVIATIONS
A	A GND	Analogue GND	1-7	AILRCK	L/R Clock (to A/D Converter)
[^	A. COMP	Audio Component Signal		AIMCK	Master Clock (to A/D Converter)
	A. D.P [L]	Audio Dubbing Pause ①		ALC CNT	Auto Level Control Control
1	A. DEF [S]	Audio Defeat		ALC MAIN	Auto Level Control Drive
	A. DUB P [L]	Audio Dubbing Pause ①		ALE	Address Latch Enable
il	A. ERASE	Audio Erase		A-LOCK	Full Auto Switch
	A. HASW	Audio Head Amp Switching Pulse		ANLPTH	Analogue Loop Through High
	A. HSW	Audio Switching Pulse		AORP	Audio Overlap Pulse
ш	A. IN ILI	Audio Switching Palse Audio Input (L)		APCNT	Aperture Control
Ш		1		APS	Auto Power Save
H	A. IM [R]	Audio Input (R) Audio Mute (R)		ART. V	Artificial Vertical Sync Signal
ΙI	A. MUT [H]	Audio Mute (f)		ART. V. MM	Artificial Vertical Sync Signal Mono Multi
	A. MUTE [H]			ART. V/H/N	Artificial Vertical Sync Signal ®/Normal
H	A. OUT [L]	Audio Output (L)		AT, V/H/N	Artificial Vertical Sync Signal
	A. OUT [R]	Audio Output (R)		ATSW/TEST/NOR/SE	Test/Normal/Service
H	A. RF OUT	Audio RF Signal Output Auto Tracking	-	AT CNT	Automatic Tracking Gain Adjust
1	A. TR	•		ATF	Automatic Track Finding
	A0-8, 0-17	Memory Address	-1	ATFCLK	41.85MHz Clock
	A3V2	AD Converter Reference Voltage Address Bus		ATEG	Auto Track Gain
	AB0-4	Address Bus Line 0-4, 12-15		ATL	Auto Lock Select
	AB0-4, AB12-15 ABSF			ATN	Absolute Track Number
ΙÌ	AC. O/EE. H	Focus Encoder Input AC Online/EE (A)		ATR OFF(H)	Auto Tracking Off (H)
		Analogue Channel Cording IC		ATV	Advanced TV
Ш	ACI			AUDIO SELECT [H]	Audio Select (A)
ll	AD	AD Converter Auto Date, Analogue Digital Converter		AVDD	Analogue VDD
П	AD			AVSS	Analogue Ground
П	AD CLK	AD Clock		AWTB	Auto White Balance B-Y
П	AD REC	Audio Delayed REC Address		AWTR	Auto White Balance R-Y
	AD0-6	Address Data Line		7377111	THE STITLE WORLD TO THE
ı	AD0-6, ADR0-6 ADCLK	Analogue Digital Converter Clock	В	B MODE. H	■ Mode (H)
	ADONT	Analogue Digital Control	٦	B.G.P	Burst Gate Pulse
1 1		Analogue Digital Control			
	1 A 1 R 2%	Analogue Digital Chip Select		I BACK	Back-up
	ADCS A-DET	Analogue Digital Chip Select		BACK UP	Back-up Microcomputer Back-up
	A-DET	Audio Detect		BACK UP	Microcomputer Back-up
	A-DET ADREC	Audio Detect Audio Delaied Rec	į	BACK UP BACK VDD	Microcomputer Back-up Back-up Power
	A-DET ADREC ADUB	Audio Detect Audio Delaied Rec Audio Dubbing	:	BACK UP BACK VDD BATT	Microcomputer Back-up Back-up Power Battery
•	A-DET ADREC ADUB AE	Audio Detect Audio Delaied Rec Audio Dubbing Auto Expose	:	BACK UP BACK VDD BATT BATT ALARM	Microcomputer Back-up Back-up Power Battery Battery Alarm
	A-DET ADREC ADUB AE AECNT	Audio Detect Audio Delaied Rec Audio Dubbing Auto Expose Auto Expose Control	:	BACK UP BACK VDD BATT BATT ALARM BATT REF	Microcomputer Back-up Back-up Power Battery
	A-DET ADREC ADUB AE AECNT AEE(H)	Audio Detect Audio Delaied Rec Audio Dubbing Auto Expose Auto Expose Control Audio E-E (H)	:	BACK UP BACK VDD BATT BATT ALARM BATT REF BCB	Microcomputer Back-up Back-up Power Battery Battery Alarm Reference Voltage for Battery
	A-DET ADREC ADUB AE AECNT AEE(H) AEH	Audio Detect Audio Delaied Rec Audio Dubbing Auto Expose Auto Expose Control Audio E-E (H) Audio Erase Head		BACK UP BACK VDD BATT BATT ALARM BATT REF BCB BCBM(B-Y)	Microcomputer Back-up Back-up Power Battery Battery Alarm Reference Voltage for Battery B Carrier Balance B-Y Carrier Balance
	A-DET ADREC ADUB AE AECNT AEE(H) AEH AEIRQ	Audio Detect Audio Delaied Rec Audio Dubbing Auto Expose Auto Expose Control Audio E-E (H) Audio Erase Head Auto Expose Interrupt Request		BACK UP BACK VDD BATT BATT ALARM BATT REF BCB BCBM(B-Y) BCBM(R-Y)	Microcomputer Back-up Back-up Power Battery Battery Alarm Reference Voltage for Battery B Carrier Balance B-Y Carrier Balance R-Y Carrier Balance
	A-DET ADREC ADUB AE AECNT AEE(H) AEH AEIRQ AF DIS CS	Audio Detect Audio Delaied Rec Audio Dubbing Auto Expose Auto Expose Control Audio E-E (H) Audio Erase Head Auto Expose Interrupt Request AF DIS Chip Select		BACK UP BACK VDD BATT BATT ALARM BATT REF BCB BCBM(B-Y) BCBM(R-Y) BD0-7	Microcomputer Back-up Back-up Power Battery Battery Alarm Reference Voltage for Battery B Carrier Balance B-Y Carrier Balance R-Y Carrier Balance REC/Play In/Out Buss
	A-DET ADREC ADUB AE AECNT AEE(H) AEH AEIRQ AF DIS CS AFC S C	Audio Detect Audio Delaied Rec Audio Dubbing Auto Expose Auto Expose Control Audio E-E (H) Audio Erase Head Auto Expose Interrupt Request AF DIS Chip Select AFC S Curve		BACK UP BACK VDD BATT BATT ALARM BATT REF BCB BCBM(B-Y) BCBM(R-Y) BDD-7 BDCK	Microcomputer Back-up Back-up Power Battery Battery Alarm Reference Voltage for Battery B Carrier Balance B-Y Carrier Balance R-Y Carrier Balance
	A-DET ADREC ADUB AE AECNT AEE(H) AEH AEIRQ AF DIS CS AFC S C AFC [S]	Audio Detect Audio Delaied Rec Audio Dubbing Auto Expose Auto Expose Control Audio E-E (H) Audio Erase Head Auto Expose Interrupt Request AF DIS Chip Select AFC S Curve AFC S Curve		BACK UP BACK VDD BATT BATT ALARM BATT REF BCB BCBM(B-Y) BCBM(R-Y) BD0-7	Microcomputer Back-up Back-up Power Battery Battery Alarm Reference Voltage for Battery B Carrier Balance B-Y Carrier Balance R-Y Carrier Balance REC/Play In/Out Buss Standard Bus Data Clock (9MHz)
	A-DET ADREC ADUB AE AECNT AEE(H) AEH AEIRQ AF DIS CS AFC S C AFC [S] AFC. DEF	Audio Detect Audio Delaied Rec Audio Dubbing Auto Expose Auto Expose Control Audio E-E (H) Audio Erase Head Auto Expose Interrupt Request AF DIS Chip Select AFC S Curve AFC Defeat		BACK UP BACK VDD BATT BATT ALARM BATT REF BCB BCBM(B-Y) BCBM(R-Y) BDD-7 BDCK BDEN	Microcomputer Back-up Back-up Power Battery Battery Alarm Reference Voltage for Battery B Carrier Balance B-Y Carrier Balance R-Y Carrier Balance REC/Play In/Out Buss Standard Bus Data Clock (9MHz) Standard Bus Data Enable
	A-DET ADREC ADUB AE AECNT AEE(H) AEH AEIRQ AF DIS CS AFC S C AFC [S] AFC. DEF A-FADE(L)	Audio Detect Audio Delaied Rec Audio Dubbing Auto Expose Auto Expose Control Audio E-E (H) Audio Erase Head Auto Expose Interrupt Request AF DIS Chip Select AFC S Curve AFC Defeat Audio Fade (L)		BACK UP BACK VDD BATT BATT ALARM BATT REF BCB BCBM(B-Y) BCBM(R-Y) BDD-7 BDCK BDEN BEND	Microcomputer Back-up Back-up Power Battery Battery Alarm Reference Voltage for Battery B Carrier Balance B-Y Carrier Balance R-Y Carrier Balance REC/Play In/Out Buss Standard Bus Data Clock (9MHz) Standard Bus Data Enable Data Block End Request Burst Flag Pulse
	A-DET ADREC ADUB AE AECNT AEE(H) AEH AEIRQ AF DIS CS AFC S C AFC [S] AFC. DEF A-FADE(L) AF-AMP	Audio Detect Audio Delaied Rec Audio Dubbing Auto Expose Auto Expose Control Audio E-E (H) Audio Erase Head Auto Expose Interrupt Request AF DIS Chip Select AFC S Curve AFC S Curve AFC Defeat Audio Fade (L) AF HALL Bias		BACK UP BACK VDD BATT BATT ALARM BATT REF BCB BCBM(B-Y) BCBM(R-Y) BDD-7 BDCK BDEN BEND BF	Microcomputer Back-up Back-up Power Battery Battery Alarm Reference Voltage for Battery B Carrier Balance B-Y Carrier Balance R-Y Carrier Balance REC/Play In/Out Buss Standard Bus Data Clock (9MHz) Standard Bus Data Enable Data Block End Request
	A-DET ADREC ADUB AE AECNT AEE(H) AEH AEIRQ AF DIS CS AFC S C AFC [S] AFC. DEF A-FADE(L) AF-AMP AFCS	Audio Detect Audio Delaied Rec Audio Dubbing Auto Expose Auto Expose Control Audio E-E (H) Audio Erase Head Auto Expose Interrupt Request AF DIS Chip Select AFC S Curve AFC S Curve AFC Defeat Audio Fade (L) AF HALL Bias Auto Focus Chip Select		BACK UP BACK VDD BATT BATT ALARM BATT REF BCB BCBM(B-Y) BCBM(R-Y) BDO-7 BDCK BDEN BEND BF BFA BFO/BFI	Microcomputer Back-up Back-up Power Battery Battery Alarm Reference Voltage for Battery B Carrier Balance B-Y Carrier Balance R-Y Carrier Balance REC/Play In/Out Buss Standard Bus Data Clock (9MHz) Standard Bus Data Enable Data Block End Request Burst Flag Pulse Burst Flag Pulse for Encorder Burst Flug Input/Output
	A-DET ADREC ADUB AE AECNT AEE(H) AEH AEIRQ AF DIS CS AFC S C AFC [S] AFC. DEF A-FADE(L) AF-AMP AFCS AFRP	Audio Detect Audio Delaied Rec Audio Dubbing Auto Expose Auto Expose Control Audio E-E (H) Audio Erase Head Auto Expose Interrupt Request AF DIS Chip Select AFC S Curve AFC S Curve AFC Defeat Audio Fade (L) AF HALL Bias Auto Focus Chip Select Audio PLL Voltage Control		BACK UP BACK VDD BATT BATT ALARM BATT REF BCB BCBM(B-Y) BCBM(R-Y) BD0-7 BDCK BDEN BEND BF BFA	Microcomputer Back-up Back-up Power Battery Battery Alarm Reference Voltage for Battery B Carrier Balance B-Y Carrier Balance R-Y Carrier Balance REC/Play In/Out Buss Standard Bus Data Clock (9MHz) Standard Bus Data Enable Data Block End Request Burst Flag Pulse Burst Flag Pulse for Encorder Burst Flug Input/Output Buffer Input, Output
	A-DET ADREC ADUB AE AECNT AEE(H) AEH AEIRQ AF DIS CS AFC S C AFC [S] AFC. DEF A-FADE(L) AF-AMP AFCS AFRP AGC	Audio Detect Audio Delaied Rec Audio Dubbing Auto Expose Auto Expose Control Audio E-E (H) Audio Erase Head Auto Expose Interrupt Request AF DIS Chip Select AFC S Curve AFC Defeat Audio Fade (L) AF HALL Bias Auto Focus Chip Select Audio PLL Voltage Control Automatic Gain Control		BACK UP BACK VDD BATT BATT ALARM BATT REF BCB BCBM(B-Y) BCBM(R-Y) BD0-7 BDCK BDEN BEND BF BFA BFO/BFI BI, BO BI/MI [L]	Microcomputer Back-up Back-up Power Battery Battery Alarm Reference Voltage for Battery B Carrier Balance B-Y Carrier Balance R-Y Carrier Balance REC/Play In/Out Buss Standard Bus Data Clock (9MHz) Standard Bus Data Enable Data Block End Request Burst Flag Pulse Burst Flag Pulse for Encorder Burst Flug Input/Output Buffer Input, Output Bilingual/Mix ①
	A-DET ADREC ADUB AE AECNT AEE(H) AEH AEIRQ AF DIS CS AFC S C AFC [S] AFC. DEF A-FADE(L) AF-AMP AFCS AFRP AGC AGCCNT	Audio Detect Audio Delaied Rec Audio Dubbing Auto Expose Auto Expose Control Audio E-E (H) Audio Erase Head Auto Expose Interrupt Request AF DIS Chip Select AFC S Curve AFC S Curve AFC Defeat Audio Fade (L) AF HALL Bias Auto Focus Chip Select Audio PLL Voltage Control Automatic Gain Control Automatic Gain Control		BACK UP BACK VDD BATT BATT ALARM BATT REF BCB BCBM(B-Y) BCBM(R-Y) BD0-7 BDCK BDEN BEND BF BFA BFO/BFI BI, BO BI/MI [L] BIL	Microcomputer Back-up Back-up Power Battery Battery Alarm Reference Voltage for Battery B Carrier Balance B-Y Carrier Balance R-Y Carrier Balance REC/Play In/Out Buss Standard Bus Data Clock (9MHz) Standard Bus Data Enable Data Block End Request Burst Flag Pulse Burst Flag Pulse for Encorder Burst Flug Input/Output Buffer Input, Output Bilingual/Mix () Bilingual
	A-DET ADREC ADUB AE AECNT AEE(H) AEH AEIRQ AF DIS CS AFC S C AFC [S] AFC. DEF A-FADE(L) AF-AMP AFCS AFRP AGC AGCCNT AGND	Audio Detect Audio Delaied Rec Audio Dubbing Auto Expose Auto Expose Control Audio E-E (H) Audio Erase Head Auto Expose Interrupt Request AF DIS Chip Select AFC S Curve AFC S Curve AFC Defeat Audio Fade (L) AF HALL Bias Auto Focus Chip Select Audio PLL Voltage Control Automatic Gain Control Analogue Ground/Audio Ground		BACK UP BACK VDD BATT BATT ALARM BATT REF BCB BCBM(B-Y) BCBM(R-Y) BDO-7 BDCK BDEN BEND BF BFA BFO/BFI BI, BO BI/MI [L] BIL BIL [L]	Microcomputer Back-up Back-up Power Battery Battery Alarm Reference Voltage for Battery B Carrier Balance B-Y Carrier Balance R-Y Carrier Balance REC/Play In/Out Buss Standard Bus Data Clock (9MHz) Standard Bus Data Enable Data Block End Request Burst Flag Pulse Burst Flag Pulse for Encorder Burst Flug Input/Output Buffer Input, Output Bilingual/Mix © Bilingual Bilingual ()
	A-DET ADREC ADUB AE AECNT AEE(H) AEH AEIRQ AF DIS CS AFC S C AFC [S] AFC. DEF A-FADE(L) AF-AMP AFCS AFRP AGC AGCCNT AGND AGS	Audio Detect Audio Delaied Rec Audio Dubbing Auto Expose Auto Expose Control Audio E-E (H) Audio Erase Head Auto Expose Interrupt Request AF DIS Chip Select AFC S Curve AFC S Curve AFC Defeat Audio Fade (L) AF HALL Bias Auto Focus Chip Select Audio PLL Voltage Control Automatic Gain Control Automatic Gain Control Analogue Ground/Audio Ground Anti Ground Shooting		BACK UP BACK VDD BATT BATT ALARM BATT REF BCB BCBM(B-Y) BCBM(R-Y) BDO-7 BDCK BDEN BEND BF BFA BFO/BFI BI, BO BI/MI [L] BIL BIL [L] BL	Microcomputer Back-up Back-up Power Battery Battery Alarm Reference Voltage for Battery B Carrier Balance B-Y Carrier Balance R-Y Carrier Balance REC/Play In/Out Buss Standard Bus Data Clock (9MHz) Standard Bus Data Enable Data Block End Request Burst Flag Pulse Burst Flag Pulse for Encorder Burst Flug Input/Output Buffer Input, Output Bilingual/Mix (L) Bilingual (L) Back Light
	A-DET ADREC ADUB AE AECNT AEE(H) AEH AEIRQ AF DIS CS AFC S C AFC [S] AFC. DEF A-FADE(L) AF-AMP AFCS AFRP AGC AGCCNT AGND AGS AH(P) / (R)	Audio Detect Audio Delaied Rec Audio Dubbing Auto Expose Auto Expose Control Audio E-E (H) Audio Erase Head Auto Expose Interrupt Request AF DIS Chip Select AFC S Curve AFC S Curve AFC Defeat Audio Fade (L) AF HALL Bias Auto Focus Chip Select Audio PLL Voltage Control Automatic Gain Control Automatic Gain Control Antogue Ground/Audio Ground Anti Ground Shooting Audio Head (Play) / (Record)		BACK UP BACK VDD BATT BATT ALARM BATT REF BCB BCBM(B-Y) BCBM(R-Y) BDO-7 BDCK BDEN BEND BF BFA BFO/BFI BI, BO BI/MI [L] BIL BIL [L] BL ON	Microcomputer Back-up Back-up Power Battery Battery Alarm Reference Voltage for Battery B Carrier Balance B-Y Carrier Balance R-Y Carrier Balance REC/Play In/Out Buss Standard Bus Data Clock (9MHz) Standard Bus Data Enable Data Block End Request Burst Flag Pulse Burst Flag Pulse for Encorder Burst Flug Input/Output Buffer Input, Output Bilingual/Mix (L) Bitingual Bilingual (L) Back Light Back Light ON (L)
	A-DET ADREC ADUB AE AECNT AEE(H) AEH AEIRQ AF DIS CS AFC S C AFC [S] AFC. DEF A-FADE(L) AF-AMP AFCS AFRP AGC AGCCNT AGND AGS AH(P) / (R) AHASW	Audio Detect Audio Delaied Rec Audio Dubbing Auto Expose Auto Expose Control Audio E-E (H) Audio Erase Head Auto Expose Interrupt Request AF DIS Chip Select AFC S Curve AFC S Curve AFC Defeat Audio Fade (L) AF HALL Bias Auto Focus Chip Select Audio PLL Voltage Control Automatic Gain Control Automatic Gain Control Control Automatic Gain Control Control Analogue Ground/Audio Ground Anti Ground Shooting Audio Head (Play) / (Record) Audio Head Amp Switch Pulse		BACK UP BACK VDD BATT BATT ALARM BATT REF BCB BCBM(B-Y) BCBM(R-Y) BDO-7 BDCK BDEN BEND BF BFA BFO/BFI BI, BO BI/MI [L] BIL BIL [L] BL ON BL4V	Microcomputer Back-up Back-up Power Battery Battery Alarm Reference Voltage for Battery B Carrier Balance B-Y Carrier Balance R-Y Carrier Balance REC/Play In/Out Buss Standard Bus Data Clock (9MHz) Standard Bus Data Enable Data Block End Request Burst Flag Pulse Burst Flag Pulse for Encorder Burst Flug Input/Output Buffer Input, Output Bilingual/Mix ① Bilingual Bilingual Bilingual Bilingual Back Light Back Light ON (L) Back Light 4V
	A-DET ADREC ADUB AE AECNT AEE(H) AEH AEIRQ AF DIS CS AFC S C AFC [S] AFC. DEF A-FADE(L) AF-AMP AFCS AFRP AGC AGCCNT AGND AGS AH(P) / (R) AHASW AHSW	Audio Detect Audio Delaied Rec Audio Dubbing Auto Expose Auto Expose Control Audio E-E (H) Audio Erase Head Auto Expose Interrupt Request AF DIS Chip Select AFC S Curve AFC S Curve AFC Defeat Audio Fade (L) AF HALL Bias Auto Focus Chip Select Audio PLL Voltage Control Automatic Gain Control Automatic Gain Control Control Automatic Gain Control Control Analogue Ground/Audio Ground Anti Ground Shooting Audio Head (Play) / (Record) Audio Head Amp Switch Pulse Audio Head Switch Pulse		BACK UP BACK VDD BATT BATT ALARM BATT REF BCB BCBM(B-Y) BCBM(R-Y) BDO-7 BDCK BDEN BEND BF BFA BFO/BFI BI, BO BI/MI [L] BIL BIL [L] BL CON BL4V BLC 0, 1	Microcomputer Back-up Back-up Power Battery Battery Alarm Reference Voltage for Battery B Carrier Balance B-Y Carrier Balance R-Y Carrier Balance REC/Play In/Out Buss Standard Bus Data Clock (9MHz) Standard Bus Data Enable Data Block End Request Burst Flag Pulse Burst Flag Pulse for Encorder Burst Flug Input/Output Buffer Input, Output Bilingual/Mix () Bilingual Bilingual () Back Light Back Light ON (L) Back Light Y Control Out, In
	A-DET ADREC ADUB AE AECNT AEE(H) AEH AEIRQ AF DIS CS AFC S C AFC [S] AFC. DEF A-FADE(L) AF-AMP AFCS AFRP AGC AGCCNT AGND AGS AH(P) / (R) AHASW AI, AO	Audio Detect Audio Delaied Rec Audio Dubbing Auto Expose Auto Expose Control Audio E-E (H) Audio Erase Head Auto Expose Interrupt Request AF DIS Chip Select AFC S Curve AFC S Curve AFC Defeat Audio Fade (L) AF HALL Bias Auto Focus Chip Select Audio PLL Voltage Control Automatic Gain Control Automatic Gain Control Control Analogue Ground/Audio Ground Anti Ground Shooting Audio Head (Play) / (Record) Audio Head Amp Switch Pulse Audio Head Switch Pulse Buffer Input, Output		BACK UP BACK VDD BATT BATT ALARM BATT REF BCB BCBM(B-Y) BCBM(R-Y) BDO-7 BDCK BDEN BEND BF BFA BFO/BFI BI, BO BI/MI [L] BIL BIL [L] BL BL ON BL4V BLC 0, 1 BLDI/O	Microcomputer Back-up Back-up Power Battery Battery Alarm Reference Voltage for Battery B Carrier Balance B-Y Carrier Balance R-Y Carrier Balance REC/Play In/Out Buss Standard Bus Data Clock (9MHz) Standard Bus Data Enable Data Block End Request Burst Flag Pulse Burst Flag Pulse for Encorder Burst Flug Input/Output Buffer Input, Output Bilingual/Mix () Bilingual () Back Light Back Light ON (L) Back Light Y Control Out, In Back Light Drive Input/Output
	A-DET ADREC ADUB AE AECNT AEE(H) AEH AEIRQ AF DIS CS AFC S C AFC [S] AFC. DEF A-FADE(L) AF-AMP AFCS AFRP AGC AGCCNT AGND AGS AH(P) / (R) AHASW AHSW	Audio Detect Audio Delaied Rec Audio Dubbing Auto Expose Auto Expose Control Audio E-E (H) Audio Erase Head Auto Expose Interrupt Request AF DIS Chip Select AFC S Curve AFC S Curve AFC Defeat Audio Fade (L) AF HALL Bias Auto Focus Chip Select Audio PLL Voltage Control Automatic Gain Control Automatic Gain Control Control Automatic Gain Control Control Analogue Ground/Audio Ground Anti Ground Shooting Audio Head (Play) / (Record) Audio Head Amp Switch Pulse Audio Head Switch Pulse		BACK UP BACK VDD BATT BATT ALARM BATT REF BCB BCBM(B-Y) BCBM(R-Y) BDO-7 BDCK BDEN BEND BF BFA BFO/BFI BI, BO BI/MI [L] BIL BIL [L] BL CON BL4V BLC 0, 1	Microcomputer Back-up Back-up Power Battery Battery Alarm Reference Voltage for Battery B Carrier Balance B-Y Carrier Balance R-Y Carrier Balance REC/Play In/Out Buss Standard Bus Data Clock (9MHz) Standard Bus Data Enable Data Block End Request Burst Flag Pulse Burst Flag Pulse for Encorder Burst Flug Input/Output Buffer Input, Output Bilingual/Mix () Bilingual Bilingual () Back Light Back Light ON (L) Back Light Y Control Out, In

INITIAL/LOGO	ABBREVIATIONS	INITIAL/LOGO	ABBREVIATIONS
BLKA	Blanking Pulse for Encorder	CH1	Channel 1 (Odd Field)
BLKI/O	Blanking Pulse In/Out	CHR	Character
BLKZ	Blanking Pulse for Zoom Encorder	CHR BACK	Character Back-up
ВМ	Balance Modulator	CHR MIX	Character Mix
BQUIET	Bus Out Control Signal	CI, CO	Buffer In/Out
BS CLOCK	BS Clock	ci,co	Buffer Input & Output
BS DATA	BS Data	CIF	Control Signal Forward Input
BS LCH IN	BS L Channel Input	CIF, CIR	Positive Control Pulse, Negative Control Pul
BS MIX [H]	BS Mix (H)	CIR	Control Signal Reverse Input
BS MONI [H]	BS Monitor (A)	CK	Clock
BS MONI [H]	BS Monitor (H)	CKL	Ratch Lock
BS RCH III	BS R Channel Input	CKS	Shift Lock
BUF IN/OUT	Buffer In/Out	CL/CLK	Clock
B-Y KB		1	
	B-Y Carrier Balance	CLASS	Classeffication Signal for Compress (DCT/VL0
B-YO	B-Y Signal Out	CLASS 0.1	Class Control Signal Durring DCT/VLC
0.4.1-10-4	Post de la Contraction de la C	CLK135	13.5MHz System Clock
C A In/Out	Pre-Aperture In/Out	CLK18	18MHz System Clock
CAPSTP	Capstan Stop Flag	CLK2	Clock 2 (824XFH: 12.875MHz)
C CNT	Colour Control	CLK246	24.576MHz Clock
CSYNC	Composite Sync Signal	CLK27	27MHz System Clock
C/N	Carrier/Noise	CLK450	450KHz Clock
G0-7, C00-07	Chrominance Signal 0-7	CLKDCLK	Digital Clock
CAGAIN	Aperture Gain Control	CLK-PH	Clock Phase Control
CAM TL	Capstan Trque Limit	CLK-REF	Reference Clock
CAP EC	Capstan Trque Control	CLP-RST-H	Clamp Reset High Signal
CAP M GND	Capstan Motor GND	CLY FG	Cylinder FG Signal
CAP P(H)	Capstan Power On (H)	CMEMO0-3	Chroma Memory Output Signal 0-3
CAP R/F/S	Capstan Reverse (H)/Stop (M)/Forward (L)	CMIX	Character Mix
CAP SW	Capstan Power Control Switch	СМО	Chrominance Memory Output
CAP. ET	Capstan Torque Control	COL/B/W/NOR	Colour/Black & White/Normal
CAP. FG1	Capstan FG1 Pulse	COLOR [H]	Colour (A)
CAP. FG2	Capstan FG2 Pulse	COMPC	Position Detection Pulse
CAPSTP H	Capstan Stop Flag (Stop High)	COM RDY	Serial Enable Signal
CAPVM	Capstan Motor Current	CNCLK	Clock
CAPVS	Capstan Motor Power Control Switch	CNR	Chrominance Noise Reduction
CAS. SW	Cassette SW		Control
CAS. SW		CNT, CONT	Control Out
CAS	Compresion, Audio Process, Shuffling/Deshuffling Memory Address Strobe (Active Low)	CO CO0-7	
CASDOWN, DWN			Chrominance Output 0 to 7 (Digital)
	Cassette Down (L)	COM	Common
CB, CR	Chroma B, Chroma R	COM RDY	Serial Transmission Enable
CBLK	Composite Blanking Pulse	COMB	Comb Filter
CC	Channel Cording	COS EQ	Cosin Equalizer
CCA	Curent Drive Control	CP	Clamp Pulse
CCA	Current Control Amp	CP ON(H)	Camera Power On(H)
CCD	Charge Coupled Devise	CP2, 20	Clamp Pulse
CCW	Counterclockwise	CP2A, CP2O	Encoder Clamp Pulse
CD SP0-7	Digital Chroma	CPN	Component Signal
CDS	Correlate Double Sampling Signal	CPOB	Clamp Pulse for Optical Blanking
CDS1, 2	Sampling Pulse for CCD Output Signal	CPS	Composite Signal
CE	Chip Enable	CPV	Gate Scan Clock
CE	Control Pulse Erase	CR OUT	Pre Apature Out
CEC	Capstan Error Code	CR POW SW	Camera Remote Power On Switch
C-ERA(H)	Control Erase (H)	CRA	Aperture Gain Control
CFEM	Chrominance Memory Signal	CRA	Pre Apature Gain Control
CFM	Chrominance Field Memory	CS	Chip Select
CFM1-4	Chroma Field Memory Signal	CS 0-7	
CG CLK	Character Generator Clock		Chrominance Signal Out 0-7
I I		CSEL	Clock Phase Select
CG CLK DATA	Clock Generator Data	CSI 0-7	Chrominance Signal In 0-7
CG DATA	Character Generator Data	CTSW	Crosstalk Switch
1	Chrominance Gain Control	CURR	Current
CGC		LOUDDENTLINE	L Crusomt Limensitas
CGCS	Character Generator Chip Select	CURRENT LIM	Current Limmiter
I I	Character Generator Chip Select Character Generator Serial Data	CW CW	Clockwise

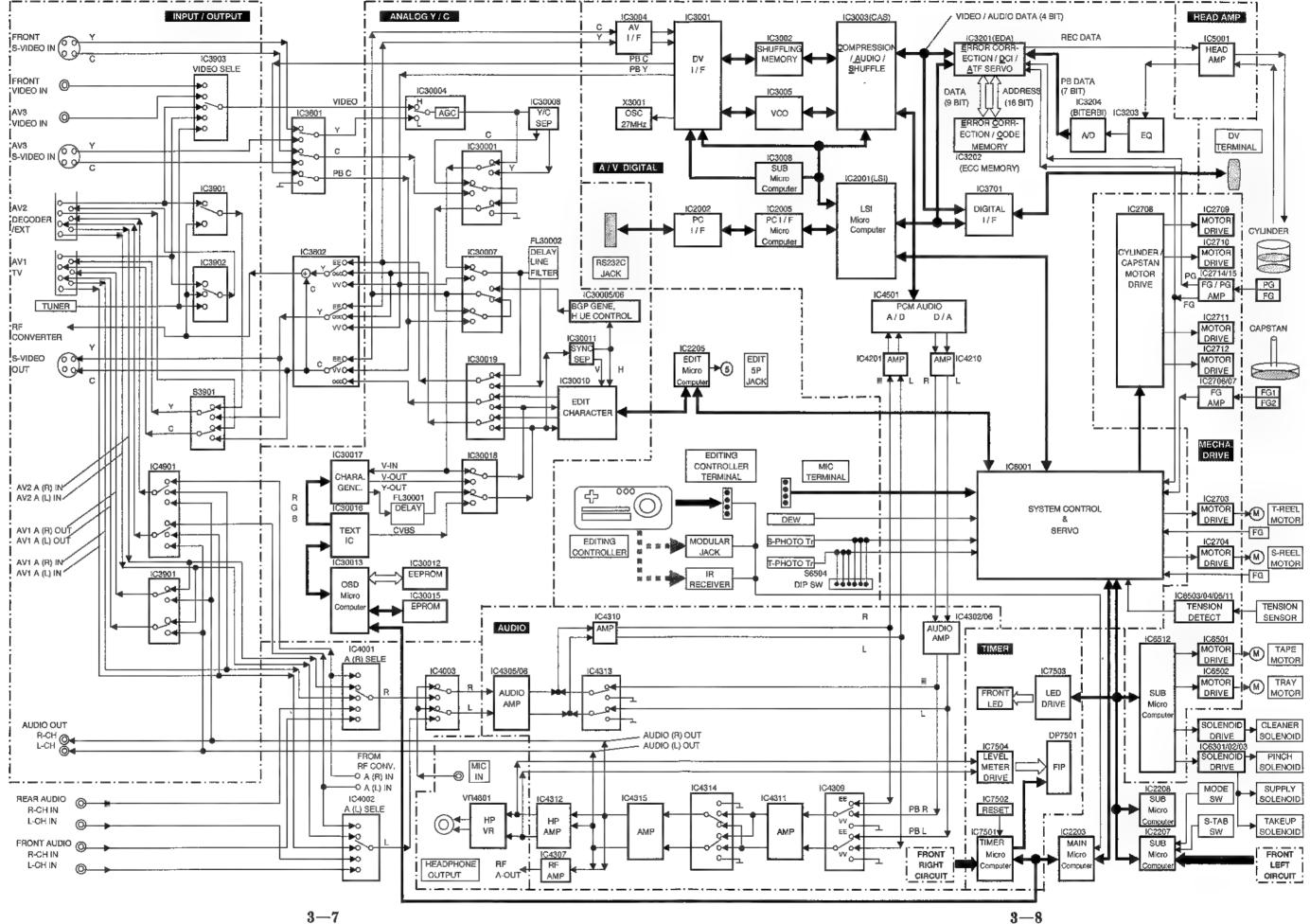
Г	INITIAL/LOGO	ABBREVIATIONS		INITIAL/LOGO	ABBREVIATIONS
	CYL PG	Cylinder Motor PG		DSF 0-7	Input/Output Data to Shuffling Memory (18MHz)
П	CYL VM	Cylinder Motor Current or Power		DSP	Digital Signal Processor
		•		DSP R/B	DSP IC Rady/Busy
D	D CLK	Digital Clock		DSP-48K-H	DSP 1C Clock Select
	D MODE	Digital Mode Switch Signal		DSTB	Data Stobe Signal
Ш	D. FM REC [H]	Delaied FM Recording (f)		DSV	Digital Sum Variation
	D. FM REC [L]	Delaied FM Recording (C)		DV	Digital Video
	DA UV SEL	D/A Convertor U/V Select		DVB	Digital Video Broadcast
1	DAC	Digital Analogue Converter		DVC	Digital Video Cassette
1	DAG	Digital Analogue Ground		DVDD	Digital VDD
	DB0-7	Data 0-7		DVIO	Digital Video Input Output
	DB0-7	Microprocessor Data		DVSS	Digital GND
	DCC	DC Clamp Control			-3
1	DCCNT	DC Control	E	E2 CS or E2P CS	EEPROM Chip Select
	DCI	Digital Channel Cording IC	-	E2 R/B	EEPROM Rady/Busy
	DCLR	Digital Clear		E2P	EEPROM
	DCP	Digital Clamp Pulse		EARP	Earphone
Į.		CAS & DV I/F Serial Clock		EC	Torque Control
1	DCS-CLK, DA	DCS Serial Start		ECC	Error Correction Cording
	DC-STP1			ECM	Electric Condencer Mic
	DC-STP2	DCS Serial Stop			
	DCT	Discrete Cosine Transform (Compression)		ECR EDA	Reference Voltage for Capstan Torque Error Correction, DCI, ATF Servo
ı	DCX7	Serial Data			
ı	DEDP 0-3	Playback Data		EDT TRIG [L]	Edit Trigger (L)
ı	DEDR 0-3	Rec Data		EDIT [H]	Edit (B)
ı	DEMO	Demodulation		EE [H]	EE (f)
ı	DEMP	A/D Convertor Empahsis Control		EE CS	EEPROM Chip Select
1	DEMP	De-Emphasis		EE R/B	EEPROM Read (H)/Busy (L)
1	DFD 0-7	Encode Data In/Out Between Shaffling Memory		EEPROM	Electric Erasable Programable Read Only Memory
1	DFD0-7	Encode Input/Output Signal for Shuffling Memory		EIS	Electric Image Stabilizer (DIS)
1	DIBDCK	Bit Clock		EMP	A/D Convertor Emphasis Control
1	DICLK	Digital Clock	ш	ENAB	Enable
1	DIDAT	Serial Data		ENV	Enverope
1	DIDAT	Serial Data Durring Digital Audio In		EOB	End of Block
1	DIF	Digital Interface		EP [H]	LP (f)
1	DILRCK	L/R Clock		EP/LP (H)	LP⊕
1	DILRCK	Serial Clock Durring Digital Audio In	l	EP/LP/SP	LP/SP
1	DIMCK	Master Clock	ı	EP/\$\$ [H]	LP/Slow/Still/Stop (H)
1	DIMCK	Mater Clock Durring Digital Audio In		EPROMCS	EPROM Chip Select
1	DIO 1-8	Data In/Out	l	EQ	Equalizer
1	DIOS	Data In/Out Select Control Signal	l	EXT S DATA	Serial Data for Edit
1	DIOS	Select Signal for Digital In/Out		EXT SCK	Serial Clock for Edit
1	DIS	Digital Image Stabilizer	L		
1	DIS R/B	Digital Image Stabilizer Read (H)/Busy (L)	F	FACT MODE	Factry Mode (not used in the service)
1	DIS R/B	DIS IC Rady/Busy	1	FB	Feed Back
	DIS/KAND	Digital Image Stabilizer/Sensitivity	1	FC	Saw Tooth Signal In
İ	DISCS	Dis Chip Select	1	FCK ,	Clock
	DISP	Display	1	FCO	Saw Tooth Signal Generator
	DL	Delay Line	1	FEND	Frame End Pulse
	DOBCK	Audio A/D Convertor Bit Clock		FF/REW [L]	First Forward/Rewind ①
	DOCTL	Data Output Control Signal	1	FG1 IN	FG1 Pulse Input
	DODAT	Serial Data (to D/A Converter)		FG2 IN	FG2 Pulse Input
	DOLRCK	Audio A/D Converter LR Clock		FH2B	FH/2 (15.625KHz / 2=7.8125KHz)
	DOLRCK	L/R Clock (to D/A Converter)		FIX OSD	Auto Tracking Off (H)
1	DOMCK	Audio A/D Converter Master Clock		FLICK	Flicker Output
İ	DOMCK	Master Clock (to D/A Converter)		FLY ERASE [H]	Flying Erase Head On (II)
1	DQ 1-16	Memory Data	П	FM	Field Memory
	DRAM CAS	D-RAM Colum Address Strobe		FM MUT [H]	FM Audio Mute (B)
	DRAM OE	D-RAM Out Enable	١	FM MUTE [H]	FM Audio Mute (9)
	DRAM RAS	D-RAM Read Address Strobe		FM0-7	Field Memory 0-7
			1	FMCO0-3	Field Memory Chrominance Out 0-4
	DREC	AV Delayed REC Start Pulse	1		Focus Motor Direction
	DRK	Dark (LPF Switch for Auto Focus)	1	FMDIŘ	Field Memory Enable
	DS1, 2	Double Sampling Pulse	1	FMOEM	
	DSF 0-7	Data In/Out for Shaffling Memory	<u> </u>	FMOEO	Field Memory Enable

	INITIAL/LOGO	ABBREVIATIONS	···		INITIAL/LOGO	ABBREVIATIONS
	FMT1-4	Focus Motor Terminal 1-4		П	ITI	Insert & Track Information
l	FMY00-07	Field Memory Luminance Out 0-7				
H	FMYI0-07	Field Memory Luminance In 0-7		J	JPEG	Joint Photographic Image Cording Experts Group
	FNO	F Value		-		and the same of th
H	FPS	Frame Refference Signal		к	KANDO	Digital Gain Up
ı	FR	Capstan Reverse High		l '`	KB	Carrier Balance
	FRP	Frame Reflerence Pulse			KEY IN	Key Scan
	FRPSO	Frame Start Pulse			KND	Digital Gain Up
	FUL. E [H]	Full Erase Head On (A)			KNEE	Luminance Compensate
	FULL. E [H]	Full Erase Head On (B)			MILL	Luminance Compensate
]	. 022. 2 (//)	T Bill Elase Head On U			LD	Load Pulse
G	G1, G2, G3	Gap 1, 2 and 3			1	1
I۳I	GCA	Gain Control AMP			LEDCNT	LED Control
	GCNT	Gain Control			LI-BATT	Lithium Battery
	G-CNT				LOAD	Loading
		AGC Adjustment			LOAD F, R	Loading Direction (F: Forward / R: Reverse)
ΙI	GCTAL	Gain Control			LPF	Low Pass Filter
ΙI	GENE	Generator			LRMONO	Monoral Audio (L + R)
ΙI	GF	FG AMP Terminal			LSB	Least Significant Bit
	GSW	Ground for Switching Power			LVL	LPF Switch for Auto Focus
H	4.75.45					
н	H/M/N	Hi-Fi / Mix / Normal		М	M GND	Motor GND
	H/N	Hi-Fi / Normal			M1-3	Motor Coll Terminal 1 to 3
ll	H. SYNC	Horizontal Sync			MA0-5	Microprocessor Address Data 0-5
l	HAP	Horizontal Aperture			Mbps	Megahertz Bit Per Second
ΙI	HASW	Head AMP Switching Pulse			MD	Modulation
ΙI	HB	Hall Bias			MD0-7	Microprocessor Data 0-7
ΙI	HBR SET	High Brightness Set			MDT0-7	Microprocessor Data 0-7
ΙI	HBRST	High Brightness Set			ME (TAPE)	Metal Evaporated (Tape)
ΙI	HCLR	High Clear			MES (H)	Mesecam ⊕
l 1	HCP	Shift Clock for Horizontal Drive			MESE [H]	Mesecam (R)
	HD	Horizontal Drive Pulse			MESE [L]	Mesecam ①
	HDTV	High Definition TV			METER 5V	Level Meter 5V
	HEX	Hexadecimal			METER [L]	Level Meter (L)
	HG	Hall Gain			METER [R]	Level Meter (R)
l ∤	HID	Head Switching Pulse			METER. L/AVS	Level Meter (L)
l	HLT	High Bright Signal			METER. R/AVS	1 ' '
H	HALL IN(+), (-)	Input Signal from Hall IC				Level Meter (R)
ΙI	HP				MHSYNC	Monitor Horizontal Sync Signal
ΙI	HPF	Headphone			MI/BI [L]	MIX ®/Biligual
ΙI		High Pass Filter			MIC	Memory In Cassette
ΙI	HSE	Modulated Data Output			MIG	Meta In Gap
ΙI	HSP	Timing Pulse for Shaffling Memory			MIX N.R.D.	Non Rec Data Mix
ΙI	HSS	Horizontal Sync Signal			MOD	Modulation
ll	HSW	Head Switching Pulse			MODE SEL	Audio Mode Select
H					MODE SW	Audio Mode SW
ᄖ	I/F	Interface			MONO [H]	Monaural (1)
ı	100	1			0.000147	
	I-2 C	Inter Integrated Circuit			MOUT .	Mic Out
	ID(H)	Wide Television (H)			MP (TAPE)	Mic Out Metal Particle (Tape)
	ID(H) IMP	Wide Television (H) Inter Microprocessor Protocol	:			
	ID(H)	Wide Television (H)	:		MP (TAPE)	Metal Particle (Tape)
	ID(H) IMP	Wide Television (H) Inter Microprocessor Protocol	:	Z	MP (TAPE)	Metal Particle (Tape)
	ID(H) IMP IN SELA1	Wide Television (H) Inter Microprocessor Protocol Input Select A1 Position	,	N	MP (TAPE) MSB	Metal Particle (Tape) Most Signal Bit
	ID(H) IMP IN SELA1 IN SELA2	Wide Television (H) Inter Microprocessor Protocol Input Select A1 Position Input Select A2 Position	:	N	MP (TAPE) MSB N/P	Metal Particle (Tape) Most Signal Bit NTSC/PAL
	ID(H) IMP IN SELA1 IN SELA2 IN SELA3	Wide Television (H) Inter Microprocessor Protocol Input Select A1 Position Input Select A2 Position Input Select A3 Position	,	N	MP (TAPE) MSB N/P NB1-3 NC	Metal Particle (Tape) Most Signal Bit NTSC/PAL Base for NPN Transistor
	ID(H) IMP IN SELA1 IN SELA2 IN SELA3 INS IJ/R [L]	Wide Television (H) Inter Microprocessor Protocol Input Select A1 Position Input Select A2 Position Input Select A3 Position Insert Lch/Rch © Insert ⊕	,	Ζ	MP (TAPE) MSB N/P NB1-3 NC NC1-3	Metal Particle (Tape) Most Signal Bit NTSC/PAL Base for NPN Transistor No Connection Corrector of NPN Transistor
	ID(H) IMP IN SELA1 IN SELA2 IN SELA3 INS L/R [L] INS. [H]	Wide Television (H) Inter Microprocessor Protocol Input Select A1 Position Input Select A2 Position Input Select A3 Position Insert Lch/Rch ©		Ζ	MP (TAPE) MSB N/P NB1-3 NC NC1-3 NCLR	Metal Particle (Tape) Most Signal Bit NTSC/PAL Base for NPN Transistor No Connection Corrector of NPN Transistor Power On Reset
	ID(H) IMP IN SELA1 IN SELA2 IN SELA3 INS L/R [L] INS. [H] INTER	Wide Television (H) Inter Microprocessor Protocol Input Select A1 Position Input Select A2 Position Input Select A3 Position Insert Lch/Rch © Insert ⊕ Interval Recording Inverter		N	MP (TAPE) MSB N/P NB1-3 NC NC1-3 NCLR NCP1	Metal Particle (Tape) Most Signal Bit NTSC/PAL Base for NPN Transistor No Connection Corrector of NPN Transistor Power On Reset Clamp Pulse
	ID(H) IMP IN SELA1 IN SELA2 IN SELA3 INS L/R [L] INS. [H] INTER INV	Wide Television (H) Inter Microprocessor Protocol Input Select A1 Position Input Select A2 Position Input Select A3 Position Insert Lch/Rch © Insert ⊕ Interval Recording Inverter R-Y Analogue Signal Output		Z	MP (TAPE) MSB N/P NB1-3 NC NC1-3 NCLR NCP1 NDE	Metal Particle (Tape) Most Signal Bit NTSC/PAL Base for NPN Transistor No Connection Corrector of NPN Transistor Power On Reset Clamp Pulse Non Liner De-Emphasis
	ID(H) IMP IN SELA1 IN SELA2 IN SELA3 INS L/R [L] INS. [H] INTER INV IOU	Wide Television (H) Inter Microprocessor Protocol Input Select A1 Position Input Select A2 Position Input Select A3 Position Insert Lch/Rch © Insert ⊕ Interval Recording Inverter R-Y Analogue Signal Output B-Y Analogue Signal Output		N	MP (TAPE) MSB N/P NB1-3 NC NC1-3 NCLR NCP1 NDE NE	Metal Particle (Tape) Most Signal Bit NTSC/PAL Base for NPN Transistor No Connection Corrector of NPN Transistor Power On Reset Clamp Pulse Non Liner De-Emphasis Emitor of NPN Transistor
	ID(H) IMP IN SELA1 IN SELA2 IN SELA3 INS L/R [L] INS. [H] INTER INV IOU IOV	Wide Television (H) Inter Microprocessor Protocol Input Select A1 Position Input Select A2 Position Input Select A3 Position Insert Lch/Rch © Insert ⊕ Interval Recording Inverter R-Y Analogue Signal Output Y Analogue Signal Output		N	MP (TAPE) MSB N/P NB1-3 NC NC1-3 NCLR NCP1 NDE NE NLE	Metal Particle (Tape) Most Signal Bit NTSC/PAL Base for NPN Transistor No Connection Corrector of NPN Transistor Power On Reset Clamp Pulse Non Liner De-Emphasis Emitor of NPN Transistor Non Liner Emphasis
	ID(H) IMP IN SELA1 IN SELA2 IN SELA3 INS L/R [L] INS. [H] INTER INV IOU IOV IOY	Wide Television (H) Inter Microprocessor Protocol Input Select A1 Position Input Select A2 Position Input Select A3 Position Insert Lch/Rch © Insert ⊕ Interval Recording Inverter R-Y Analogue Signal Output Y Analogue Signal Output Infrared Rays		N	MP (TAPE) MSB N/P NB1-3 NC NC1-3 NCLR NCP1 NDE NE NLE NR	Metal Particle (Tape) Most Signal Bit NTSC/PAL Base for NPN Transistor No Connection Corrector of NPN Transistor Power On Reset Clamp Pulse Non Liner De-Emphasis Emitor of NPN Transistor Non Liner Emphasis Noise Reduction
	ID(H) IMP IN SELA1 IN SELA2 IN SELA3 INS L/R [L] INS. [H] INTER INV IOU IOV IOY IR IRDET	Wide Television (H) Inter Microprocessor Protocol Input Select A1 Position Input Select A2 Position Input Select A3 Position Insert Lch/Rch © Insert ⊕ Interval Recording Inverter R-Y Analogue Signal Output B-Y Analogue Signal Output Y Analogue Signal Output Infrared Rays Imfrared Ray Detection		N	MP (TAPE) MSB N/P NB1-3 NC NC1-3 NCLR NCP1 NDE NE NLE NR	Metal Particle (Tape) Most Signal Bit NTSC/PAL Base for NPN Transistor No Connection Corrector of NPN Transistor Power On Reset Clamp Pulse Non Liner De-Emphasis Emitor of NPN Transistor Non Liner Emphasis Noise Reduction Non Rec Data
	ID(H) IMP IN SELA1 IN SELA2 IN SELA3 INS I/R [L] INS. [H] INTER INV IOU IOV IOY IR IRDET IREF	Wide Television (H) Inter Microprocessor Protocol Input Select A1 Position Input Select A2 Position Input Select A3 Position Insert Lch/Rch © Insert ⊕ Interval Recording Inverter R-Y Analogue Signal Output B-Y Analogue Signal Output Y Analogue Signal Output Infrared Rays Imfrared Ray Detection Current Adjustment Terminal		N	MP (TAPE) MSB N/P NB1-3 NC NC1-3 NCLR NCP1 NDE NE NLE NR	Metal Particle (Tape) Most Signal Bit NTSC/PAL Base for NPN Transistor No Connection Corrector of NPN Transistor Power On Reset Clamp Pulse Non Liner De-Emphasis Emitor of NPN Transistor Non Liner Emphasis Noise Reduction Non Rec Data Non Rec Data Blanking
	ID(H) IMP IN SELA1 IN SELA2 IN SELA3 INS L/R [L] INS. [H] INTER INV IOU IOV IOY IR IRDET	Wide Television (H) Inter Microprocessor Protocol Input Select A1 Position Input Select A2 Position Input Select A3 Position Insert Lch/Rch © Insert ⊕ Interval Recording Inverter R-Y Analogue Signal Output B-Y Analogue Signal Output Y Analogue Signal Output Infrared Rays Imfrared Ray Detection		N	MP (TAPE) MSB N/P NB1-3 NC NC1-3 NCLR NCP1 NDE NE NLE NR	Metal Particle (Tape) Most Signal Bit NTSC/PAL Base for NPN Transistor No Connection Corrector of NPN Transistor Power On Reset Clamp Pulse Non Liner De-Emphasis Emitor of NPN Transistor Non Liner Emphasis Noise Reduction Non Rec Data

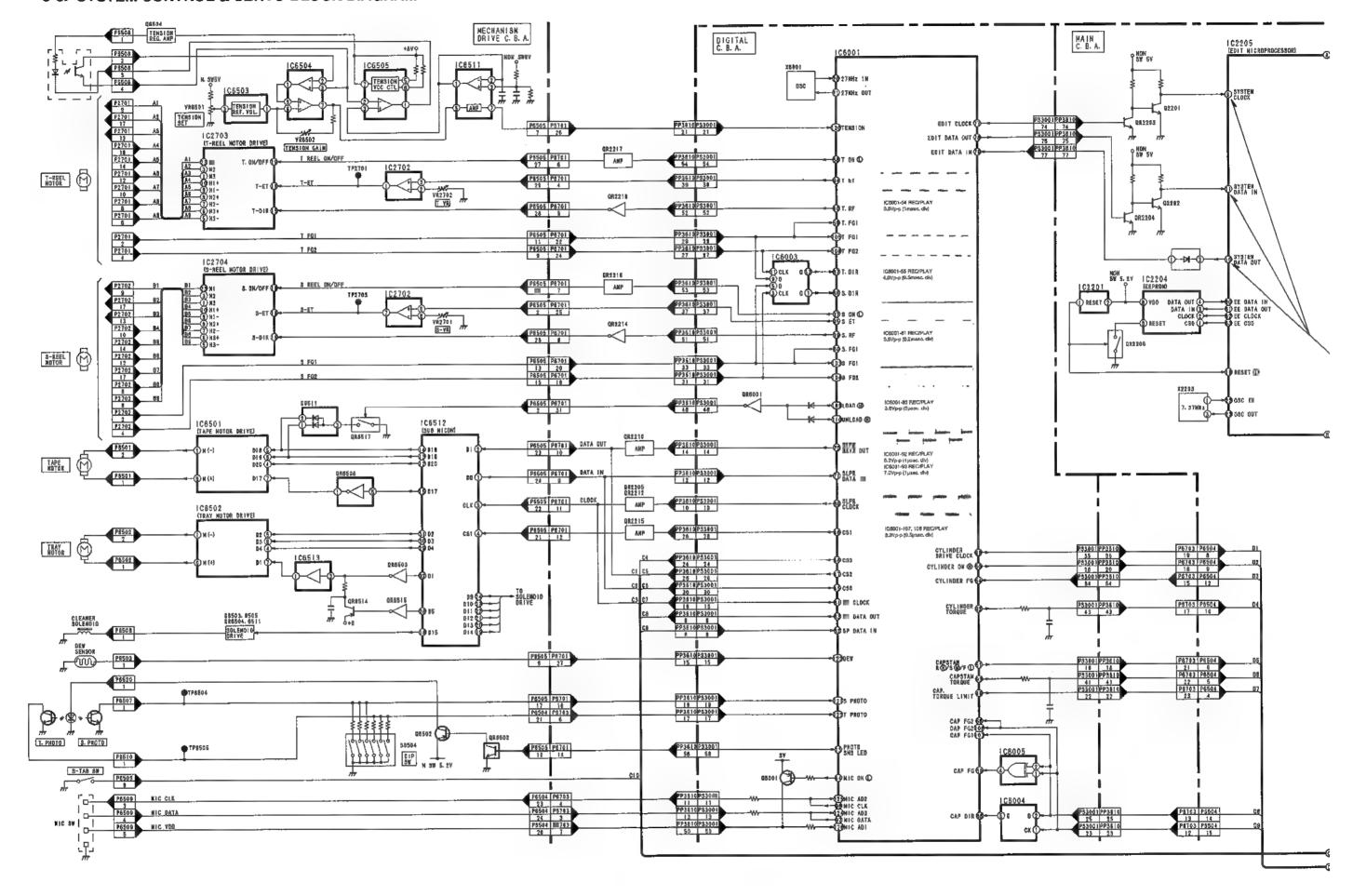
	INITIAL/LOGO	ABBREVIATIONS		INITIAL/LOGO	ABBREVIATIONS
П	NWE	Write Enable (Low Active)		R-B	R Bias
		,		RCB	R Carrier Balance
0	OB	Optical Black		RE	Read Enable
	OBCNT	Optical Black Control		RE(F), (S)	Rotary Erase Head Transformer
H	OBREF	Reference Voltage for Optical Black Control		REB	R Bias
H	OCH	Control AGC Circuit		RECICC	Rec Current Control
l I	OE	Output Enable		REC CONT	Rec Current Control
1	OFH	Horizontal Counted Down Clock Signal (Reference)		RECCTRL	Recording Control Pulse
П	OFS	Offset		REC1	Rec Amp Switch
П	OP	Operation AMP Output		RENCF	Lens Control (Forward)
П	OSD	ON Screeπ Display		RENCR	Lens Control (Reverse)
ш	OVL	Overlap Pulse		RERASE	Rotary Erase Head
Ш				RF. CHROMA	RF Chrominance Signal
Р	P. FAIL	Power Failure Detect		RGBIV1-2	1V Inverted Signal 1-2
	P. OFF [H]	Power Off (1)		RGO R/G OFF	Offset Voltage for AWT R
П	P. OFF [L]	Power Off ①		RSF	Capstan Direction (Reverse / Stop / Forward)
H	P SW	Power Switch		RST	Reset
1	PB1-3	PNP Base 1-3		RSTB	R Strobe
	PBCTL	Play Back Control		RSTPWD	Reset Power Down Input
	PBCTL	Pre-Branking Control		RSTR	Reset Read
П	PBH	Head Amp Switch		RSTW	Reset Write
П	PBLK	Pre-Blanking (Pulse)		RT	Saw Tooth Terminal
П	PC1-3	Corrector of PNP Transistor		RVCO	Resister for Oscillation
	PCBM	Carrier Balance		RW	Read Write Read Write Enable
ΙÌ	PCH	Phase Compensator (Hall AMP)		RWAE	Head Write Enable
L	PCI	Phase Compensator (Current)	S	SIN	Serial Data Input
L	PCO	Phase Compensator Out Switching Power Control	3	SOUT	Serial Data Output
1	PCV	Phase Compensator (Voltage)		S-PHOTO	Supply Photo Transistor
	PE	Emitter of PNP Transistor		S-RL. PLS	Supply Real Pulse
	PED	Pedestal		S. CLK	Serial Clock
	PEDECNT	Pedestal Control		S. CLK/AV	Serial Clock/AV
	PENO	Alarm (L)		S. DATA	Serial Data
	PFP	Pilot Frame Position	l	S. TAB [L]	Safety Tab SW ON ①
ı	PGA. ■	Power Ground A, B		S/H	Sampling Hold
ı	PGC	Pulse Generator Comparator	1	S/PIN	SECAM/PAL/NTSC
ļ	PGI	Pulse Generator Input	Į	S/S	Start/Stop
1	PGMM	Pulse Generator Monostable Multivibrator		SBD	Serial Data
	PGO	Output of Pulse Generator AMP		SBI	Serial Data Input
	PMODE	Select Signal for Normal / Wide Screen		SBO	Serial Data Output
1	PON	Power On		SBT	Serial Clock
1	POR	Power On Reset		SC IN	Serial Clock Input
	POSCOM	Common Position		SC OUT	Serial Clock Output
	PREAMP	Pre-AMP	1	SCAN0-5	Key Scan 0-5
1	PREBLK	Pre-Blanking		SCK	Serial Clock
	PT	Protect for V Voltage		SCK SELECT	Serial Clock Select
	PWM	Pulse Width Modulation		SCR	Search
	PWMB	Pulse Width Modulation Pulse		SCR, S.C.R.	Still Cue Review
	PWRFAIL	Power Failure Detect		SEG.	Segment
			1	SET	White Balance Set
Q	Q2H	Source Output Select		SH/IRIS	Shutter/Iris Control
\vdash	<u> </u>		4	SHIFT	Capasitor for Phase Shift
R	1	Recorded Control Pulse (+)		SI	Serial Data Input
	RCTLR	Recorded Control Pulse (–)		SIC	Shift In Clock Input
	R/B	Read/Busy		SIF	Sound Intermediate Frequency
	R/L	Direction Control for Data Transmition		SIOC	Serial In/Out Control
	R/S/F	Reverse (1)/Stop (1)/Forward (1)		SMCE	Shaffling Memory Chip Enable
	RA	Recording AMP		SMRS	Shaffling Memory Read Strobe
	RA1	Rec AMP 1		SMWE	Shaffling Memory Write Enable
	RAC AC	Rec Audio Current		SMWS	Shaffling Memory Read Strobe
	RAD	Read Address Data		SNAP	Snap Shot
	RAE	Read Address Enable		SNS LED	Sensor LED
	RB	Read Busy		SO	Serial Data Output

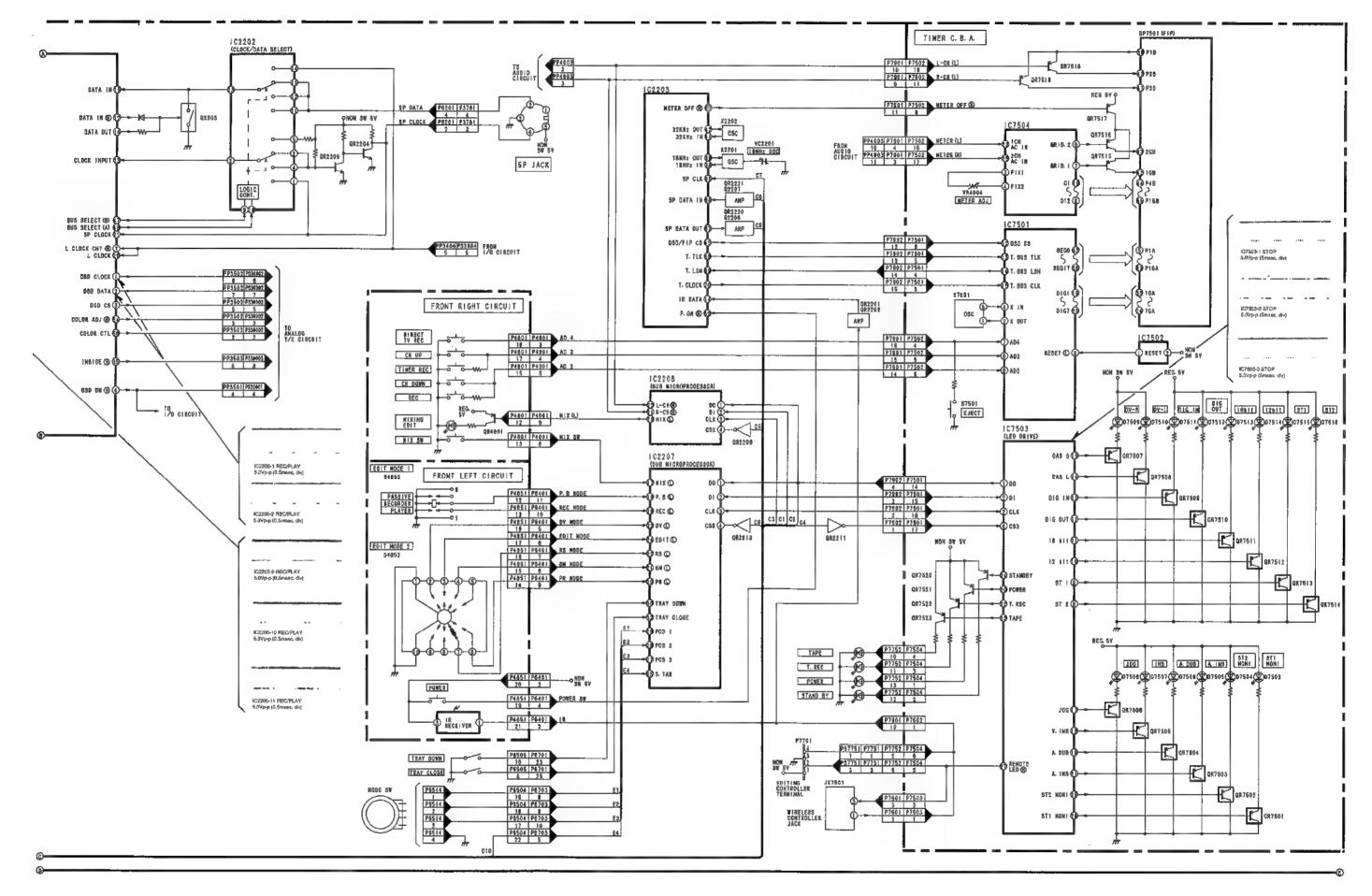
	INITIAL/LOGO	ABBREVIATIONS		INITIAL/LOGO	ABBREVIATIONS
	SPA	ATF Smapling Pulse		VDDX	X Drive Power for Colour LCD
	SPEN	■ Bit Shift Register Enable		VDDXY	XY Drive Power for Colour LCD
	SPK	Speaker		VDDY	Y Drive Power for Colour LCD
	SPO	Reset for Switcing Power	- 1	VDREC	Video Delayed Rec
	SPST	8 Bit Shift Register Strobe	l i	Vgg	Voltage for Gate IC
	SREELP	_			_
		Supply Reel Pulse	- 1	VgI	Gate off Voltage
	SRT	Start		VID	Video Signal Out
	SSA	Start Sync block Area		VIN	Video In
	SSS [L]	Slow/Still/Stop		VITC	Vertical Interval Time Code
	SSW	Select Signal for Low Pass Filter		VITERBI	One of Signal Detection Method
	ST5V	Safety Tab 5V		l VL	Low Voltage
	STAB	Safety Tab Switch		VLC	Variable Length Cording
	STB	Stand by Signal		VLOCKP	Artificial Sync Pulse
	J.				,
	STB	Strobe		VLP	Artificial Sync Pulse
	SWB	Switching Pre-Drive Pulse		VM	Motor Voltage
	SYL EC	Cylinder Torque Control		VMD	Velocity Mode Data
	SYLFG	Cylinder FG		VMD1-3	Electric Shutter Mode
				VMODE	NTSC/PAL Select Switch
T	T-PHOTO	Take-Up Photo Transistor		VMVH	VH Filter Switching
-	T-RL, PLS	Take-Up Reel Pulse		VORP	9
		·	- 1		Video Overlap
	T. BUSCLK	Timer Bus Clock		VRB	Voltage Refference Bottom
	T. BUSLSN	Timer Bus Listen		VRB\$	Voltage Refference Bottom Output
	T. BUSTLK	Timer Bus Talk		VREFH	Refference Voltage High Side
	TBC	Time Base Conntrol		VREFL	Refference Voltage Low Side
	TFT	Thim Film Transistor		VRI	Refference Voltage Input
	TH	Thermostat for Battery		VRO	Refference Voltage Output
	ΤI	Test Mode Select		VRT	Voltage Refference Top
	TL	Torque Limit		VRTS	Voltage Refference Top Output
	TM	Sub Code		VS	Switching Comparator
	TMD	Sub Code Data		VSS	Vertical Sync Signal
	TRE	Tracking Error Signal	L		
	TREEL(P)	Take-up Reel (Pulse)		V W/N	Mode Select for Window Mode
	TRFIX	Tracking Fix	- 1	W/N	Wide / Normal
	TRIWAVE	Tracking Wave		WAD	Write Address Enable
	TRP	Tracking Position		WAE	Write Address Enable
	TRP	Trap		WAERAE	Write Address Enable
	TSR				
		Head Switching Refference		WARI	Interrupt
	TST	Time Scale Transfer		WB	White Balance
	TU. AUDIO	Tuner Audio		WE	Write Enable
	TU. GND	Tuner GND		WEM	Memory Write Enable
	TU. V. IN	Tuner Video Signal Input	- 1	WSB	B AGC Control
	TU. VIDEO	Tuner Video		WSR	R AGC Control
				WTV	Wide TV
U	U/V SEL	R-Y/B-Y Select Signal		AAIA	Tride I V
9			-	V V N	Oill-t lt
	UNLOAD	Un-Loading	- 17	X X IN	Oscillator Input
	UNRE	Microprocessor Read Enable	- 1	X OUT	Oscillator Output
	UNWE	Microprocessor Write Enable		XP	FG Logic Reset
	UV	R-Y/B-Y			<u> </u>
	UV SEL	R-Y/B-Y Select Signal	Γ,	Y Y FM0-7	Y Field Memory 0-7
		J		YCE	Cylinder Error Code
v	V. REF	Reference Voltage	-	YGC	Y Gain Controt
		_			
	V. EE (H)	Video EE (B)		YMO 0-7	Y Field Memory 0-7
	V. EE (L)	Video EE ©		YNCST	Noize Canceller
	VCO REF	Reference Oscillater	Į	YNR	Luminance Noise Reduction
	VCONEF	V. CCD Drive Pulse		YSDP 0-7	Digital Y Out 0-7
	V1-V4	A. OOD DUAL LUISE		i i	1 ~
		VH Filter Switching			
	V1-V4 VB	VH Filter Switching			
	V1-V4 VB VCE	VH Filter Switching Power Terminal			
	V1-V4 VB VCE VCNTL	VH Filter Switching Power Terminal Video Control			
	V1-V4 VB VCE VCNTL VCO	VH Filter Switching Power Terminal Video Control Voltage Control Oscillator			
	V1-V4 VB VCE VCNTL	VH Filter Switching Power Terminal Video Control			
	V1-V4 VB VCE VCNTL VCO	VH Filter Switching Power Terminal Video Control Voltage Control Oscillator			
	V1-V4 VB VCE VCNTL VCO VCP	VH Filter Switching Power Terminal Video Control Voltage Control Oscillator Shift Clock Output for Vertical Drive			

3-2. OVERALL BLOCK DIAGRAM

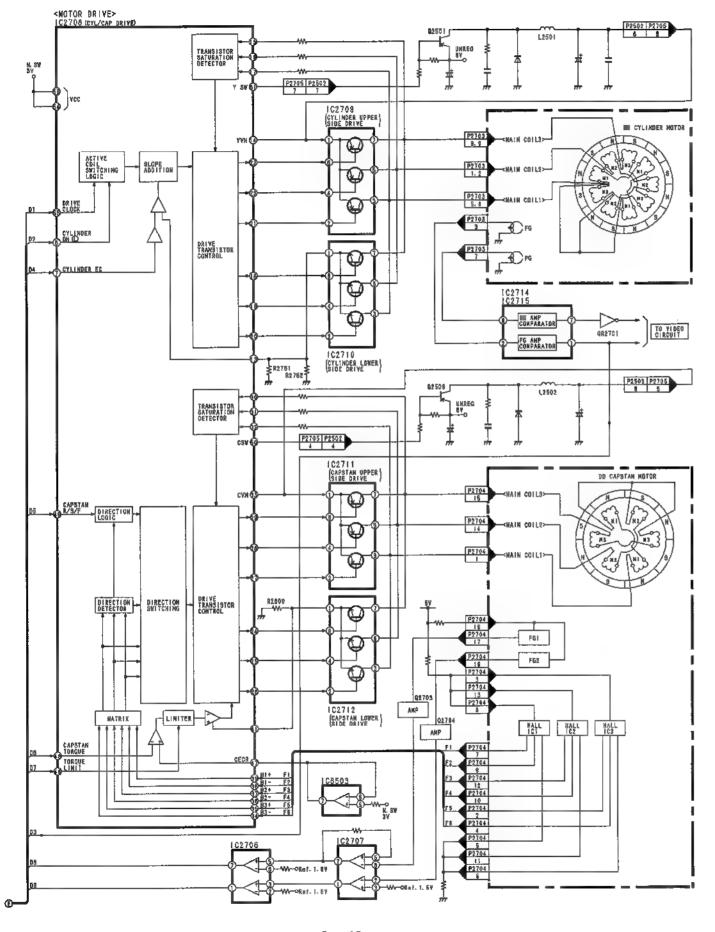


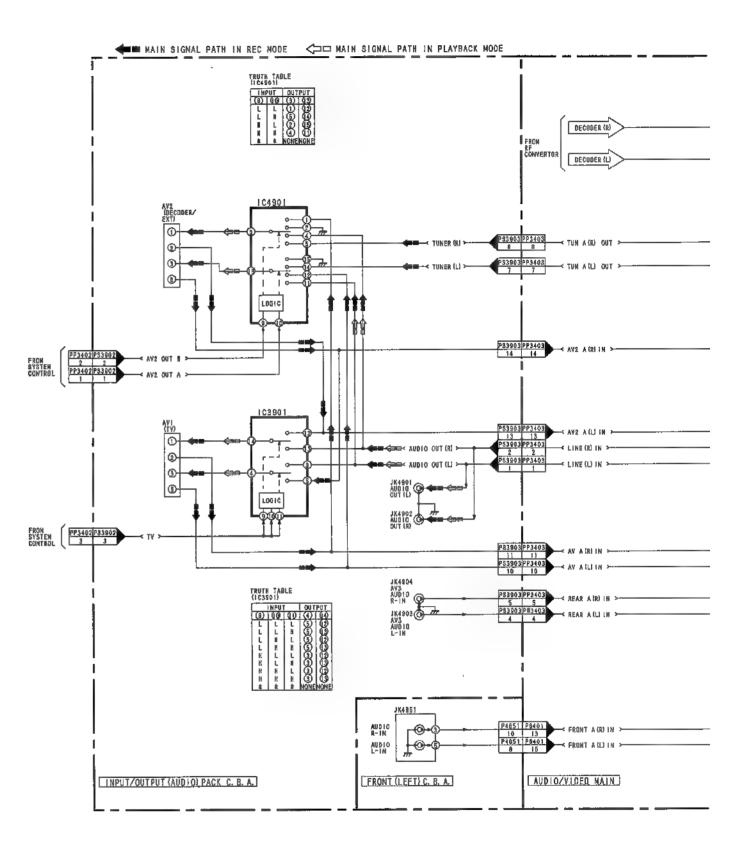
3-3. SYSTEM CONTROL & SERVO BLOCK DIAGRAM

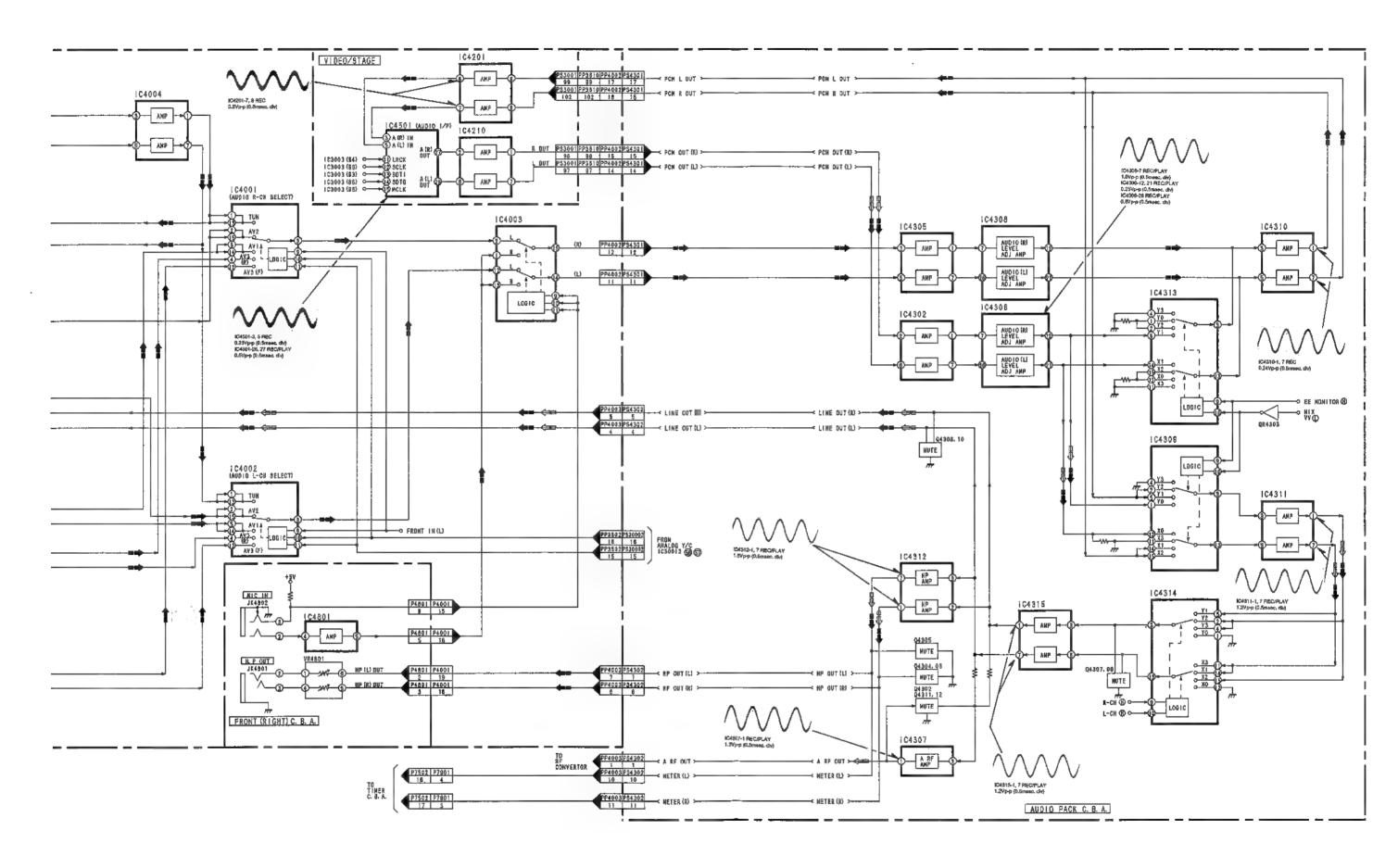




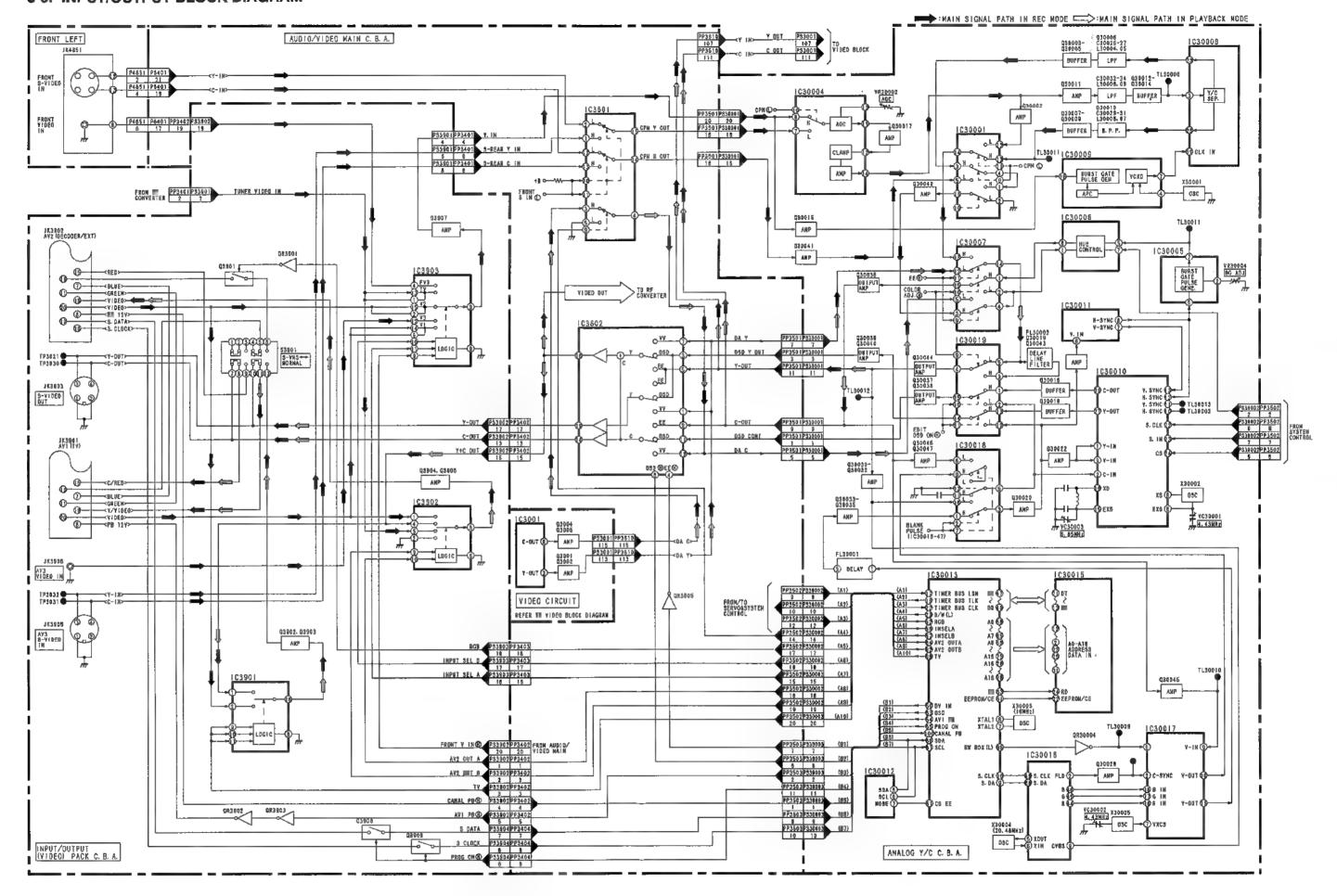
3-4. AUDIO BLOCK DIAGRAM



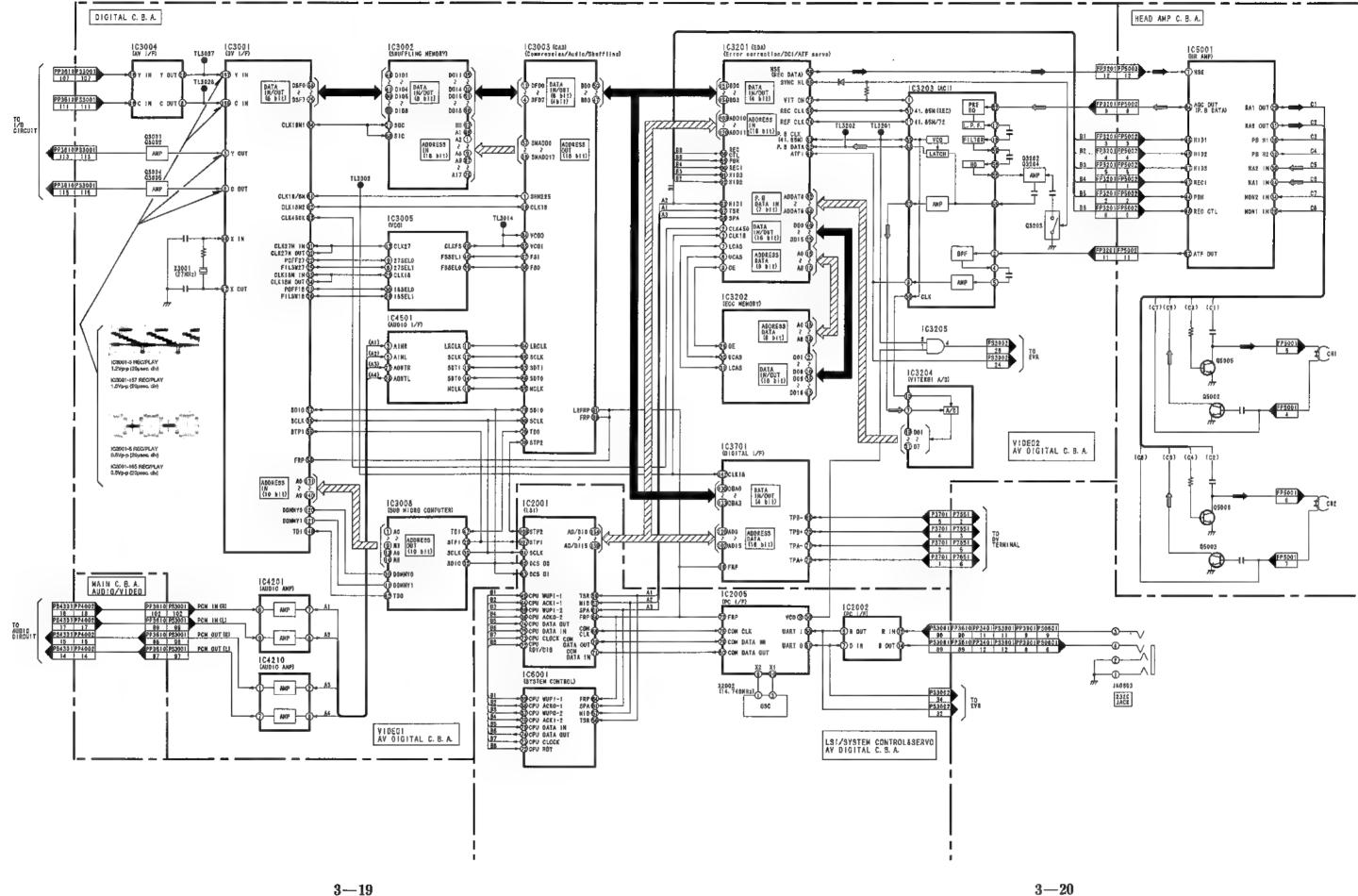




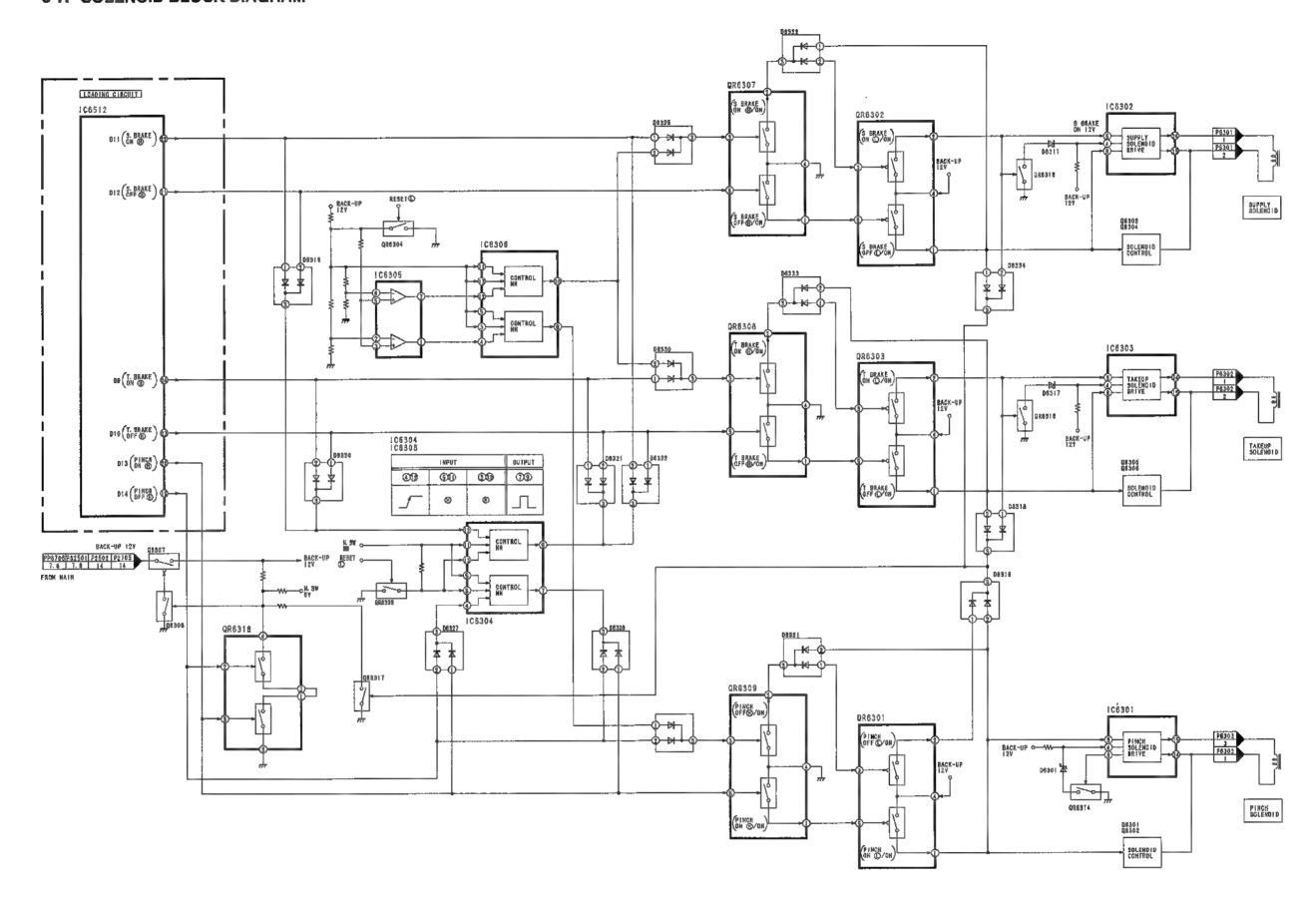
3-5. INPUT/OUTPUT BLOCK DIAGRAM



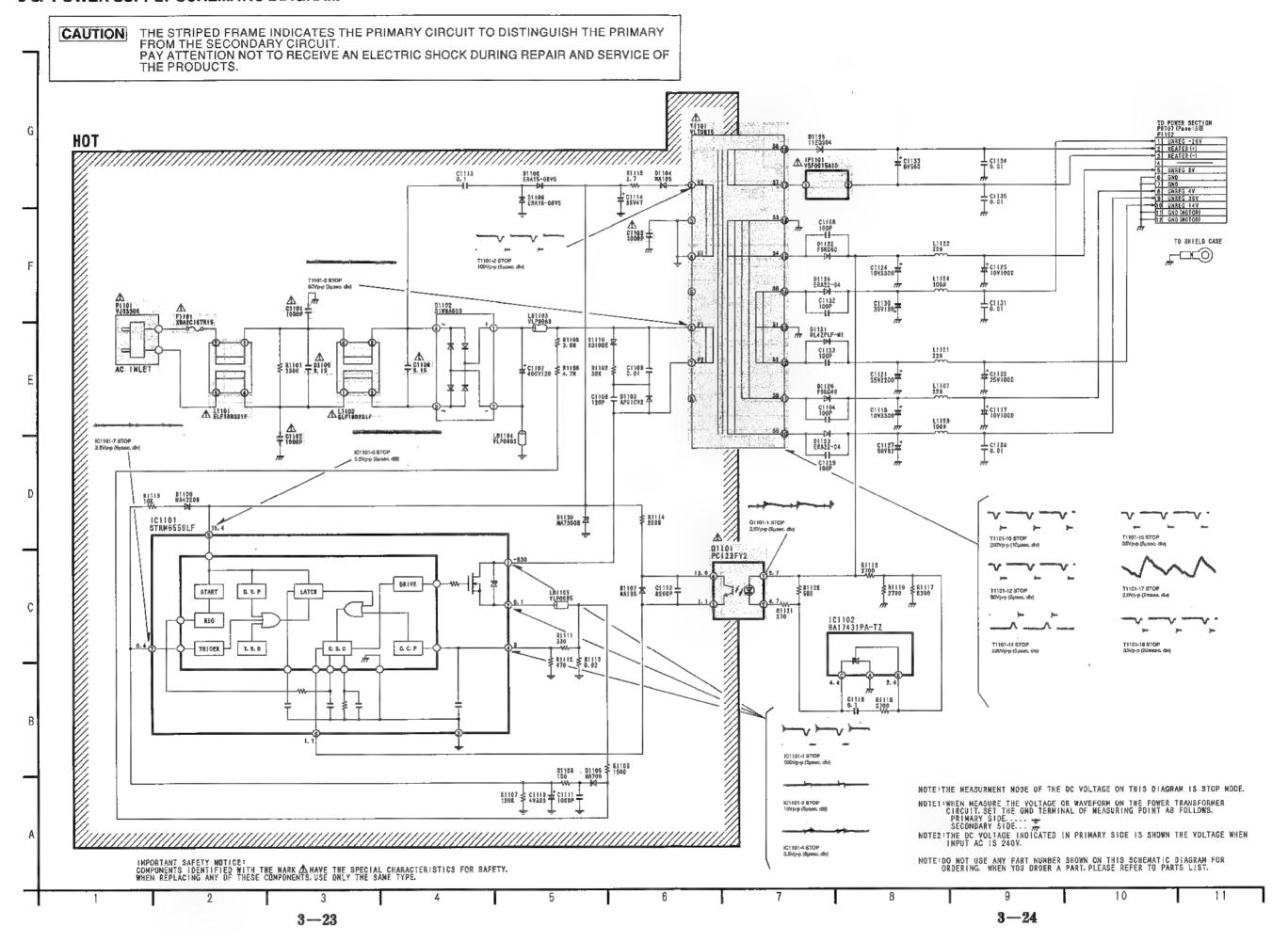
3-6. VIDEO BLOCK DIAGRAM



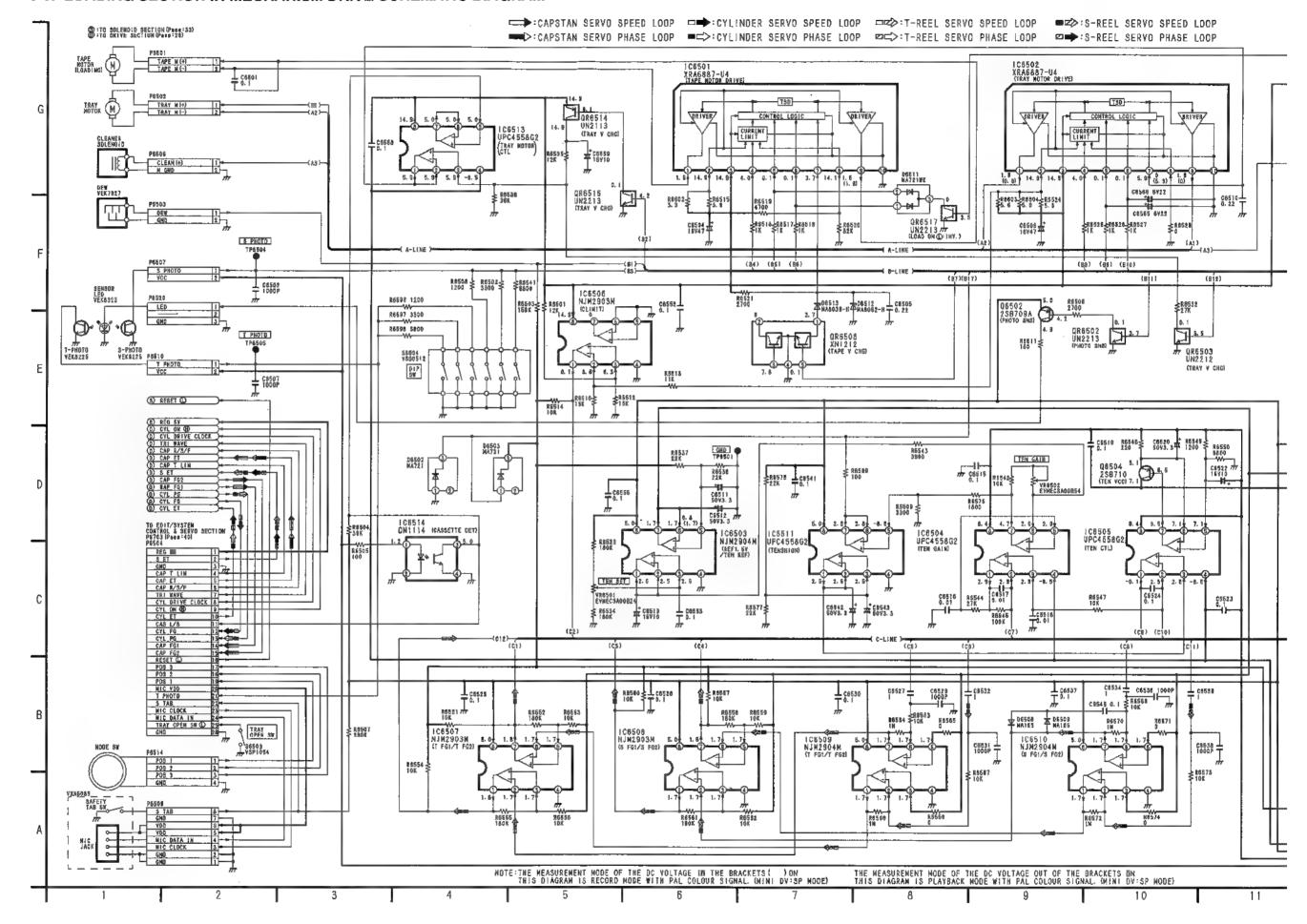
3-7. SOLENOID BLOCK DIAGRAM



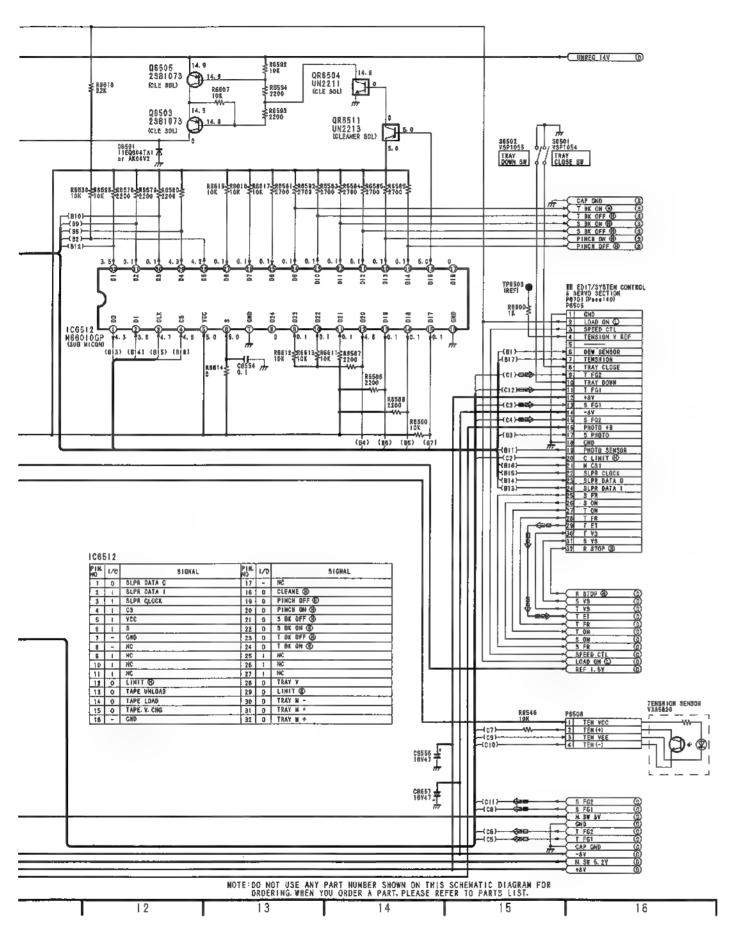
3-8. POWER SUPPLY SCHEMATIC DIAGRAM

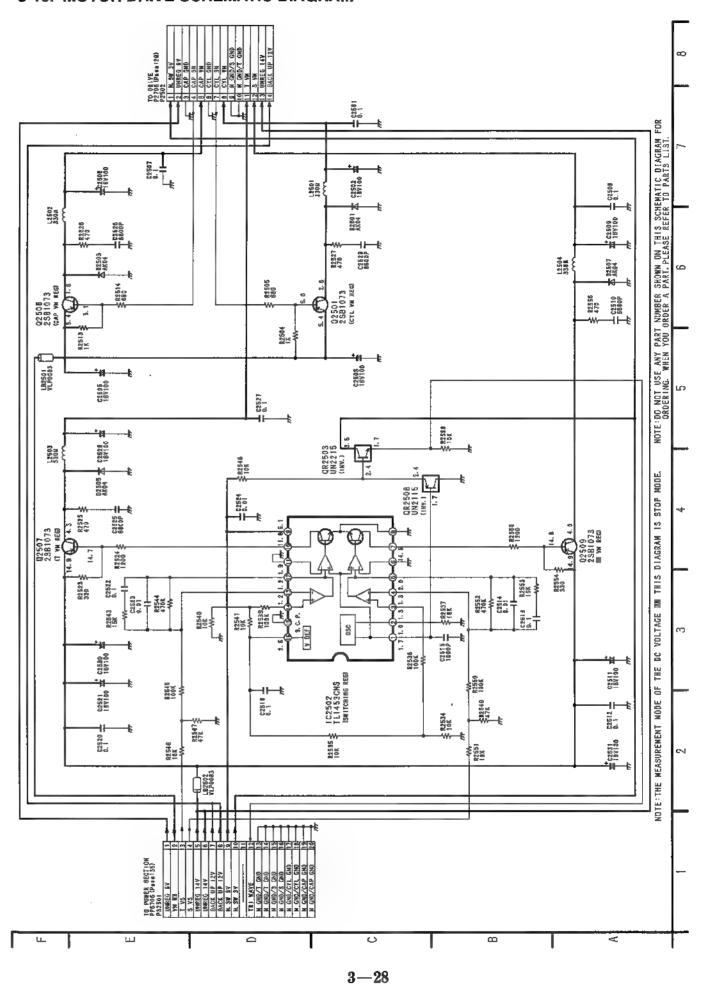


3-9. LOADING SECTION IN MECHANISM DRIVE SCHEMATIC DIAGRAM

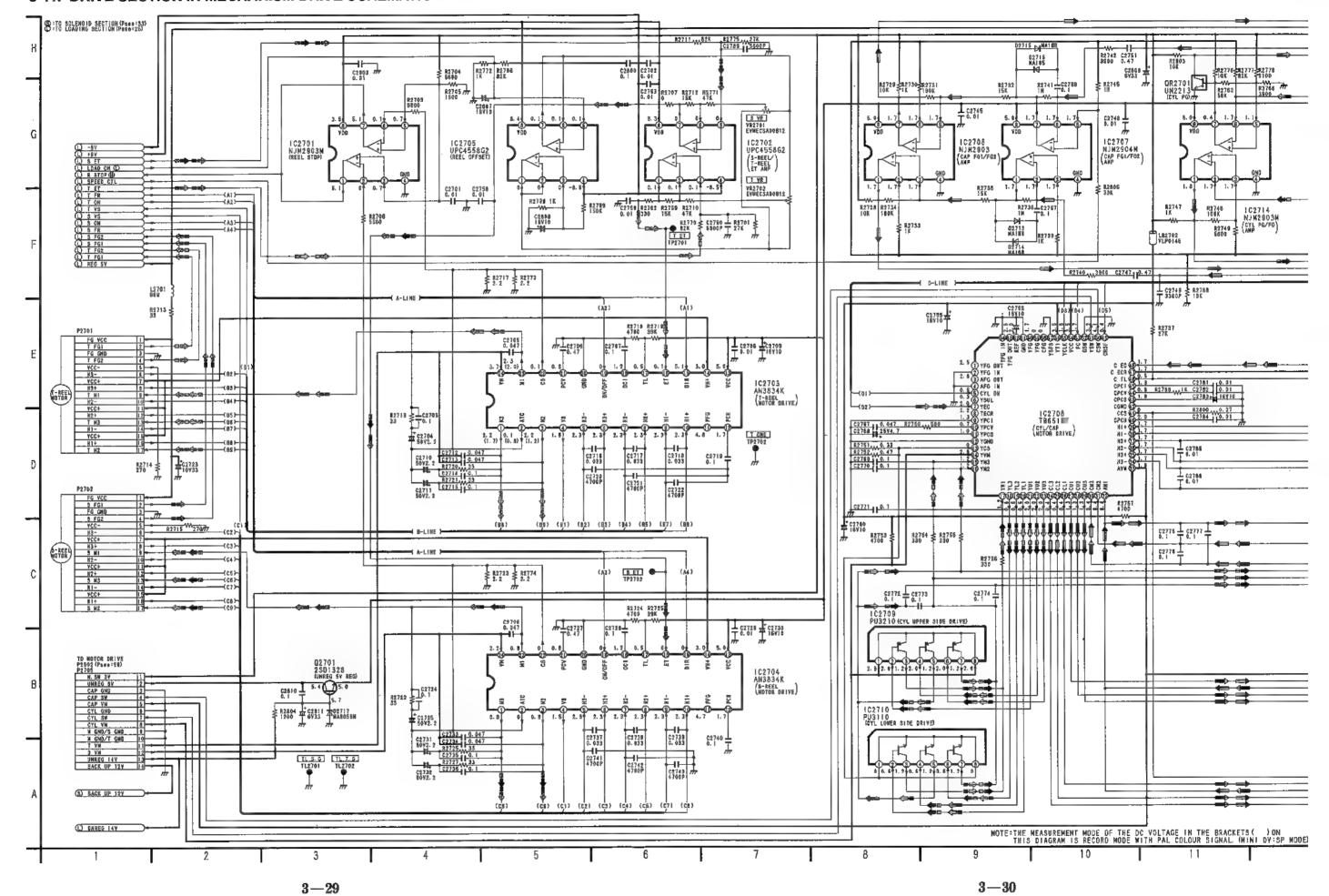


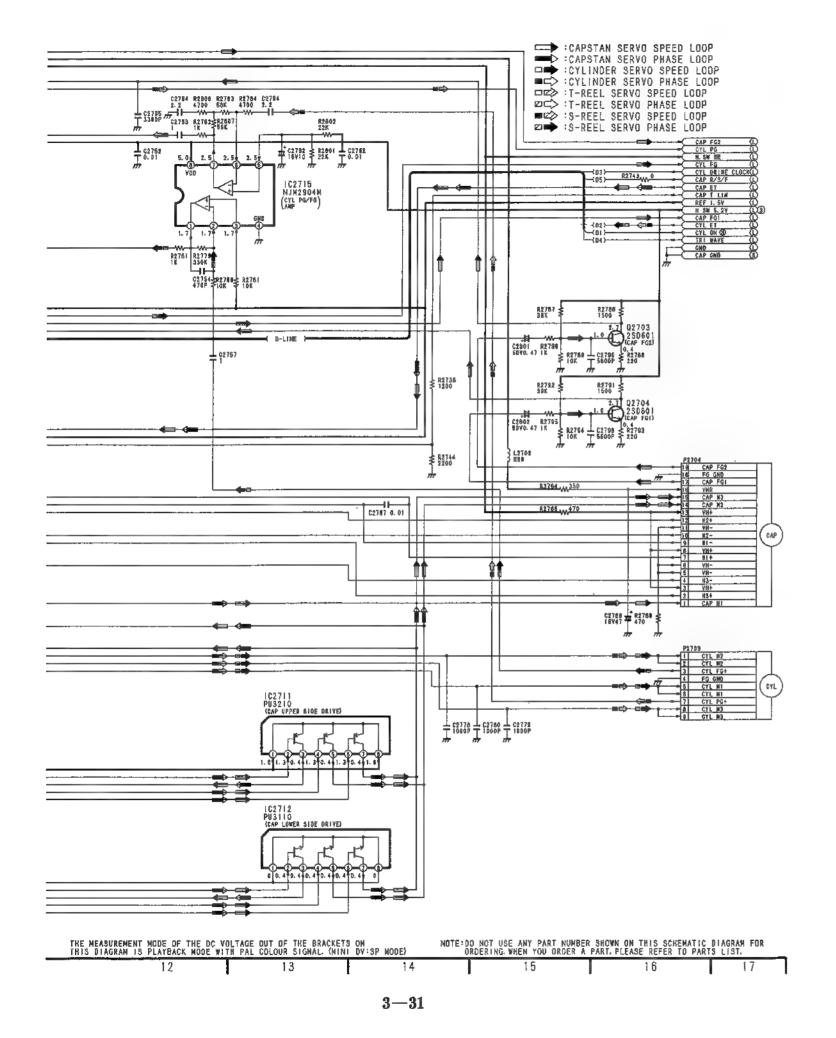
3-10. MOTOR DRIVE SCHEMATIC DIAGRAM

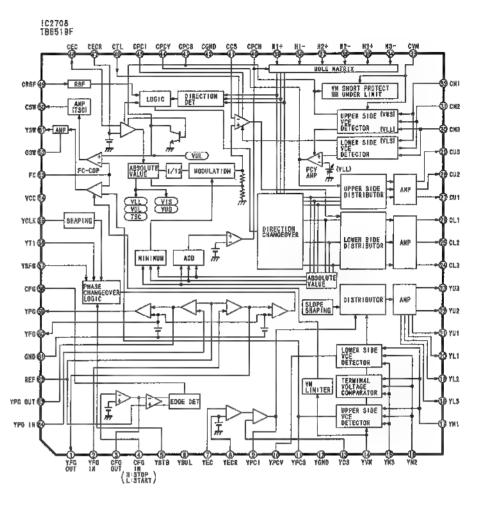


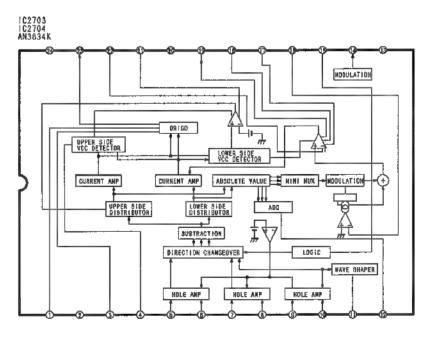


3-11. DRIVE SECTION IN MECHANISM DRIVE SCHEMATIC DIAGRAM

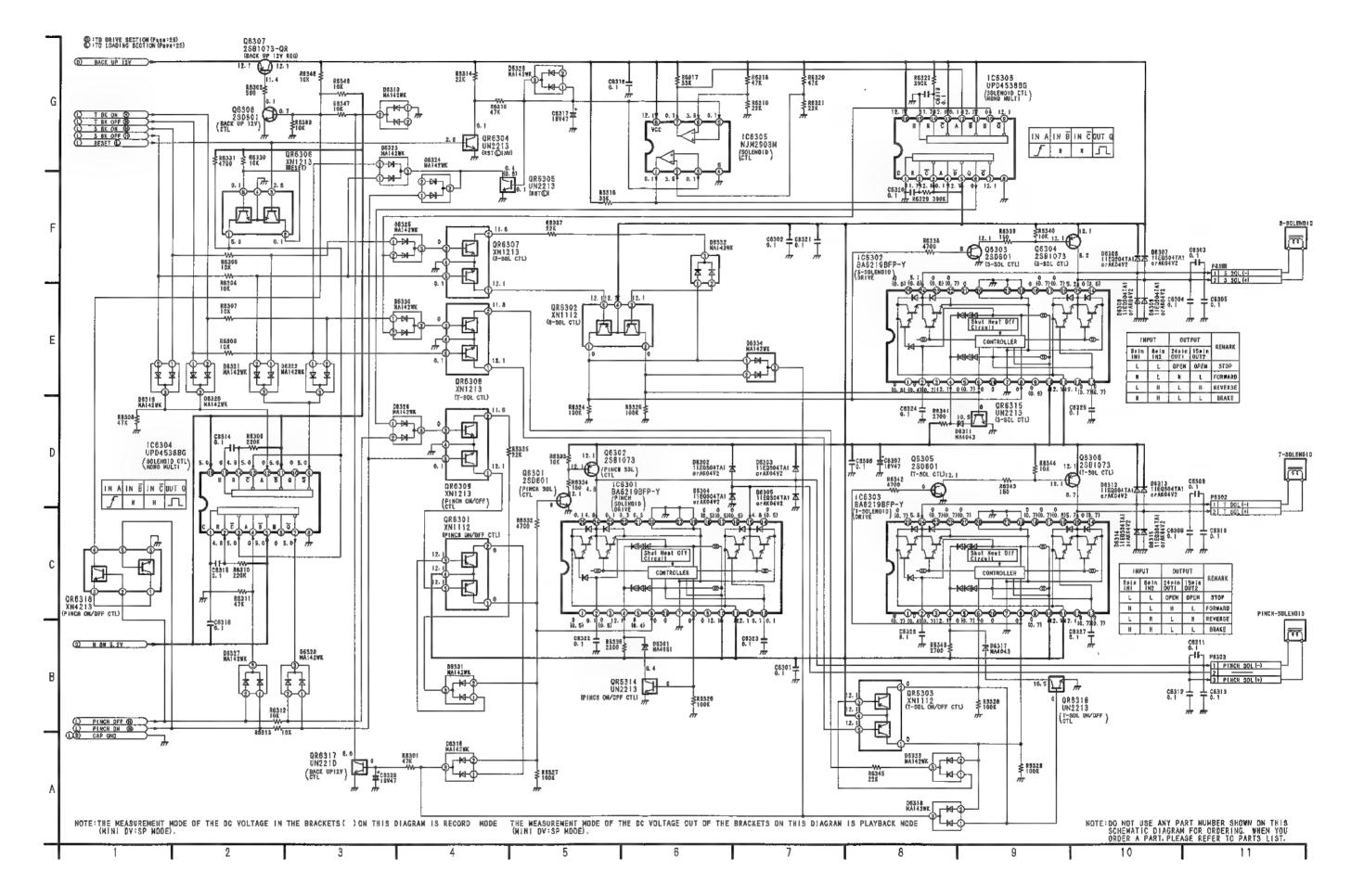




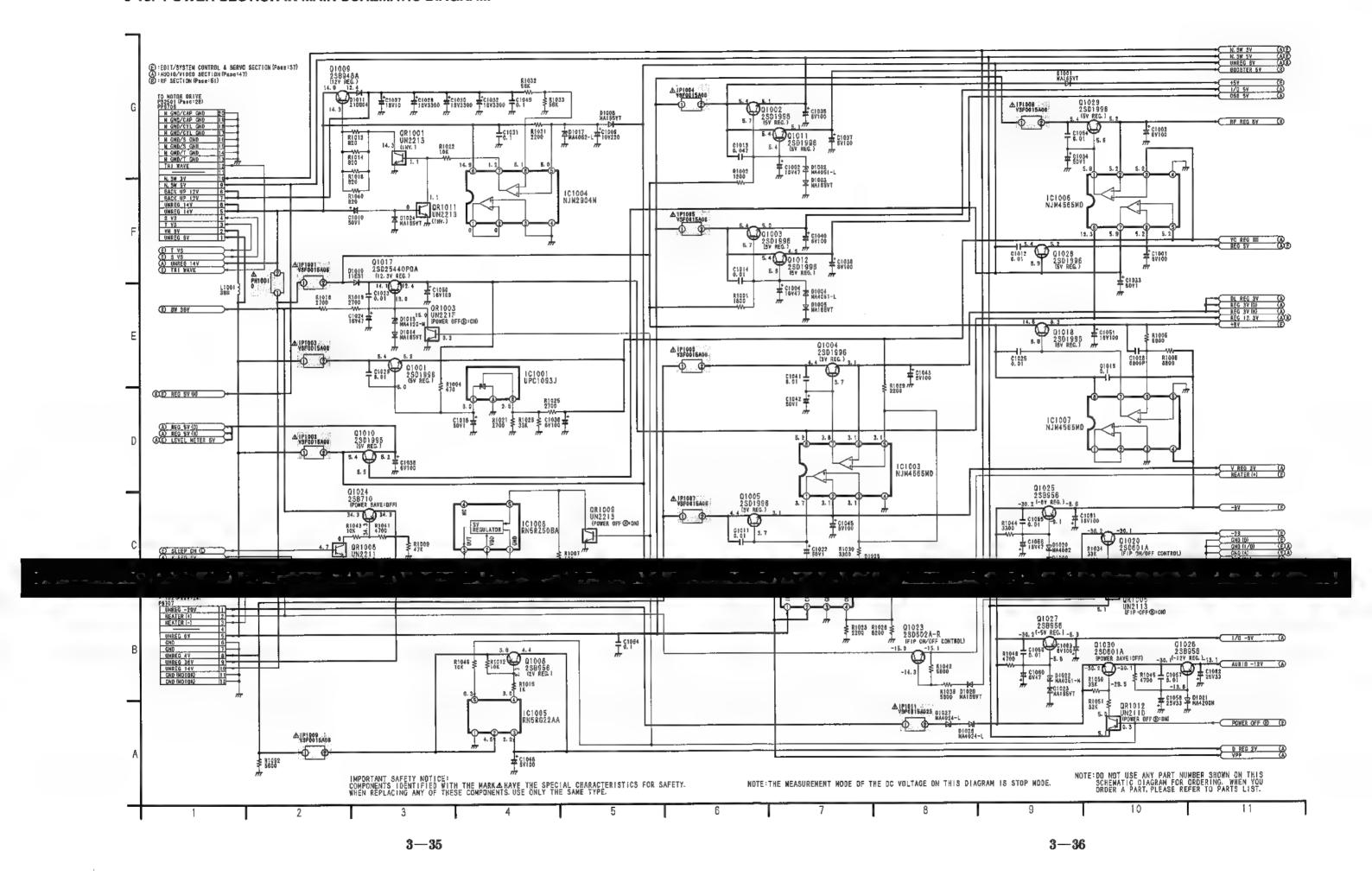




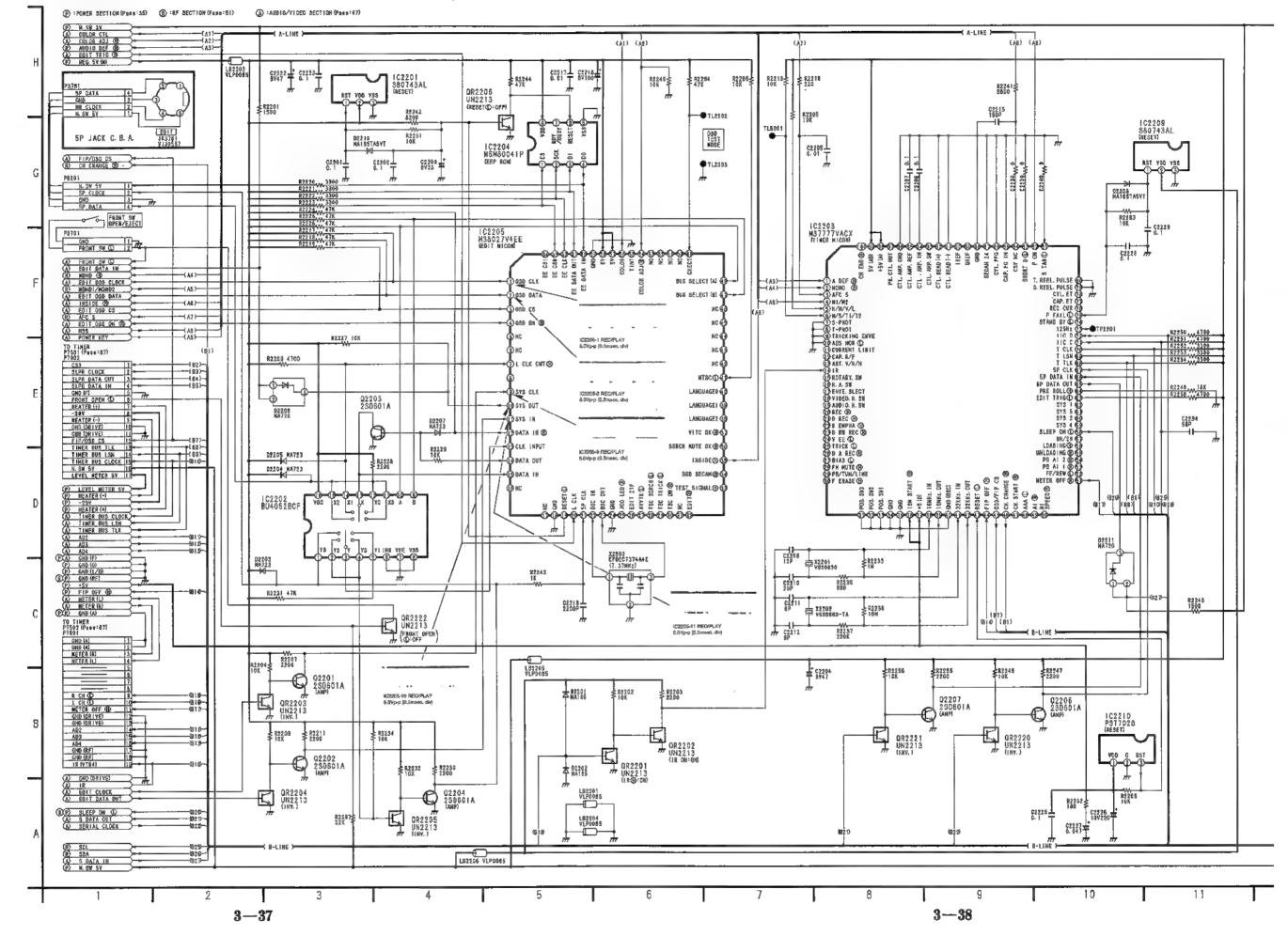
3-12. SOLENOID SECTION IN MECHANISM DRIVE SCHEMATIC DIAGRAM

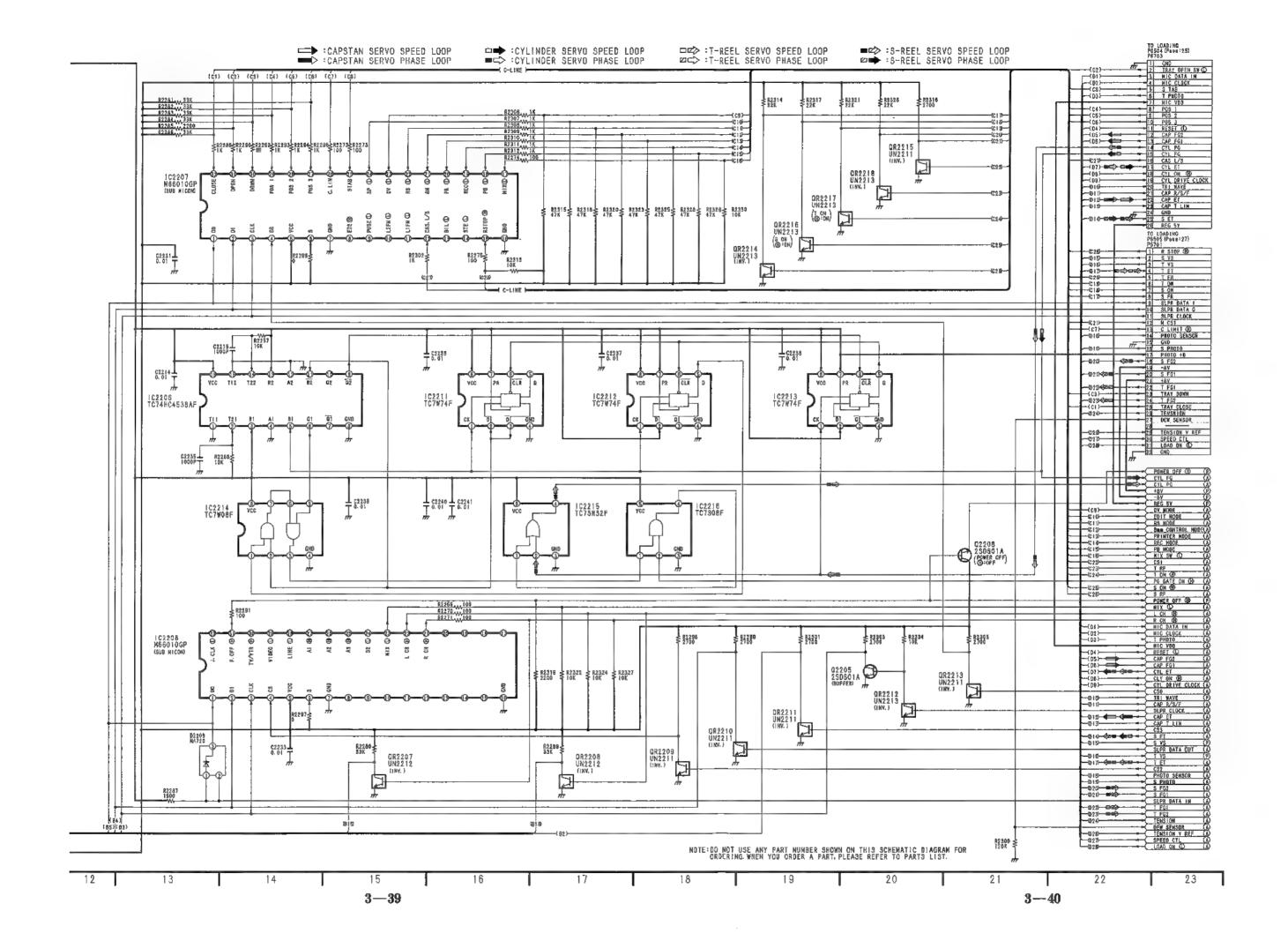


3-13. POWER SECTION IN MAIN SCHEMATIC DIAGRAM



3-14. EDIT/SYSTEM CONTROL & SERVO SECTION IN MAIN, 5P JACK SCHEMATIC DIAGRAMS





IC2203 (M37777VACX): TIMER MICON

	,	_	·			_	
PIN. NO.	SIGNAL NAME	1/0	EXPLANATION	PIN. NQ.	SIGNAL NAME	1/0	EXPLANATION
1	AUDIO. DEF (9)	0	DECODER IC reset signal				Linear Audio Rec Timingh
2	FORCE MONI (H)	0	U.K. Multi: Audio Detects Auto/off switch				H Output at timing of BIAS (H)
3	AFC (S)	Ι	AFC S CURVE				At begining of REC, Set BIAS (H) at
			Audio mode detection for display on the				140msec. later of D.A. REC (H) set.
			OSD				At end of REC, release BIAS (H) at
			INPUT VOLTAGE DISPLAY	26	D.A. REC (H)	0	140msec. former of D.A. REC (H) reset
1			MORE THAN 4.2V NO DISPLAY				D. A. REC (H)
4	No/M1/Bil/M2/Ste	1	3.0~4.2 MONO1				BIAS (H)
1		•	2.0~3.0 BILINGUAL		[→ ← 140ms → ← 140ms
			0.8~2.0 MONO 1+2				L'acces Audio DIAR COO DIV
1			LESS THAN 0.8V STEREO		BIAGO	<u>.</u>	Linear Audio BIAS OSC SW
				27	BIAS (L)	0.	At Linear Audio Rec, H/L output at timing of D.A. REC (H)
			CVI INDER (HEI/NORMAL) SELECT				Audio Mute Output
			CYLINDER (HIFI/NORMAL) SELECT				Power off, Head cleaning, Timer
			INPUT VOLTAGE CYLINDER HIFI/NORMAL	28	FM. MUTE (f)	0	stand-by, VPS/PDC stand-by: H
			MORE THAN 4.2V LDD 6CH HIFI	20	FIVI. IVIU I E (I)	U	In VV mode, Except std tape run: H
			3.0~4.2 UDD 6CH HIFI				Former and later at EE/VV switch
5	L6/U6/U4/U2/U2L	1	2.0~3.0 UDD 2CH NORMAL				Normal Audio Circuit Select
	-40404050		(NO LP)			_	Normal Audio P.B: H
			0.8~2.0 UDD 2CH NORMAL	29	PB/TUN/LINE	0	Normal Audio Rec/LINE mode: L
	<u> </u>		(LP) LESS THAN 0.8V UDD 4CH NORMAL		1		Normal Audio Rec/TUNER mode: M
			LESS THAN 0.8V UDD 4CH NORMAL	30	FULL, ERASE (1)	0	FE Head OSC SW
				31	POS. SW3	I	
			MODE SELECT	32	POS. SW2	I	Mechanical Position Input
			INPUT VOLTAGE MODE	33	POS. SW1	I	
			MORE THAN 4.0V NORMAL	34	GND		
6	Nor/Ser/T1/T2	ı	2.5 ~ 4.0 SERVICE	35	GND		
		,	1.0~2.5 TEST 2	36	16M. START (H)	<u> </u>	16 MHz START Hight
			LESS THAN 1.0V TEST 1	37	5V (D)	1	5V (D)
}				38	16MHz. IN		16 MHz IN
-	D DUAT	1	Tana Supply Photo Consor Datest	39 40	16MHz. OUT	0	16 MHz OUT
8	S-PHOT	1	Tape Supply Photo Sensor Detect Tape Take-up Phote Sensor Detect	41	GND (OSC) 32KHz. (N	0	32 kHz IN
-	T-PHOT	1	Auto Tracking/Video Enve Detect Input	42	32KHZ. OUT	1	32 kHz OUT
9	TRACKING ENVE	0	for CVC	43	RESET (L)	0	RESET ①
10	ABS, NORM (L)	ı	Lower output level Detect of FM audio	44	FIP (L)	ī	FIP On/Off Select
	CURRENT, LIMIT	0		· *			FiP Driver/OSD Micon chip Select
			REC CURR CTL for REC AI (EE)/				At Timing of Data transmission to FIP
12	REC CUR	0	Picture VR Value out for P.B. AI (VV)	45	FIP/OSD CS	0:	driver: L
13	ART. V/H/N	0					At Timing of Data transmission to OSD
14	REMOCON	ı	REMOTE/DIGIRAL RINK INPUT				Micon: H
15	ROTARY, SW	0	ROTARY SW	46	CH CHANGE ⊕	0	Varing edge output of channel (H)
16	H.A. SW	0	HEAD AMP SW	47	CH START (B)	0.	Audio Carrier Auto Det start Edge output
17	ENVE. SLECT	I	ENVELOPE SELECT				at Tuner preset
18	VIDEO, H. SW	0	VIDEO HEAD SW	48	AAA OFF 🕀	0	Output during audio IC auto adj.
19	AUDIO. H. SW	0	AUDIO HEAD SW	49	AI MES ®	0	Output during AI REC measurement
20	REC⊕	0	REC/P.B Select of video/Audio Circuit				(Fix carrier output)
L			REC Mode: H	50	HALF WAVE (1)	0	Capstan Driver Full Wave/Half Wave
21	D. REC (f)	0	Video Rec Curr Timing (H. SW Sync.)				Select
22	С. ЕМРНА 🕀	0	Video/FM Audio Rec. Curr Up		1		Output during Power Off
			(H. SW Sync)	51	P. OFF (H)	0	H: at Power off, Timer stand-by, etc L: at Head cleaning, Timer confirmation,
23	D. FM. REC 🕀	0	FM Audio Rec Curr Timing				VPS/PDC stand-by, ACS
\vdash			(H. SW Sync.) Video EE/VV Select (H SW Sync.)	52	FF/REW ①	0	CTL signal Filter/Switch at FF/RES
24	VIDEO. EE (L)	0	EE: L, VV: H	53	PB Al1 (h)	0	PB AI CONTROL
<u> </u>			Trick Plag Mode Output Except Std tape	54	PB AI2 (F)	0	PB AI CONTROL
25	TRICK ©	0	run in	55	UNLOADING (f)	_	
ا د	111010	~	VV: L	56	LOADING (A)	0	LOADING MOTOR CONTROL
$\overline{}$							

3-41

PIN. NO.	SIGNAL NAME	1/0	EXPLANATION	PIN. NO.	SIGNAL NAME	1/0	EXPLANATION
			TAPE RUN SPEED OUTPUT	76	CAP, R/F	0	CAPSTAN REVERSE ®/FORWARD ©
57	SP (f)	0	NTSC2H: H	77	CAP. ET	0	CAPSTAN ERROR TORQUE
			PAL3H: H	78	CYL. ET	0	CYLINDER ERROR TORQUE
58	SLEEP (L)	0	Super Power Save Mode Set Output (L)	79	S, REEL, PULSE	ı	Pulse Input from Real Sensor
59	PAL-I/BG/DK	0	Broadcast System Output for video	80	T. REEL. PULSE	- 1	Pulse Input from Real Sensor
59	FAC-I/BG/DR	U	circuit control	81	STAB (L)		Safety Tab Detect
60	SECAM/PAL	٥	Broadcast System Output for video	01			Exist: L, Non: H
טט	GEOAWFAL	0	circuit control	82	POWER KEY (B)	. 1	Main Power ON/OFF Key Input
61	NTSC (C)	0	Broadcast System Output for video	83	SHORT DN	ı	OSC Trouble Detect of REC Mode
Οı	N130 @	0	circuit control	84	C SYNC	- 1	COLOR SYNC
62	PAL/MESECAM	0	Broadcast System Output for video	85	CAP. FG	1	CAPSTAN FG
02	PALIVIEGEVAIVI	0	circuit control	86	CYL, PFG	j	CYLINDER PG/FG
63_	EDITTRIG (L)	I/O	Synchronizing Edit Control	87	SECAM24 (R)	,	26µ/24µ Head Select Input
64	PREROLL (H)	1/0	Sylicinonizing car control	01	OLOMINIZA ()		H: 24µ
65	5P/T2. DATA, OUT	0	Edit 5P/Serial Communication for Test	88	GND	_	<u></u>
66	5P/T2, DATA, IN	- 1	Edit 5P/Serial Communication for Test	89	OREF	0	REFERENCE OUT
67	5P/T2. CLOCK	0	Edit 5P/Serial Communication for Test	90	IREF	1	REFERENCE IN
68	T-BUS/IC, OUT	0	OSD Micon/FIP Driver Serial	91	CTL. HEAD (~)	1	CONTROL HEAD (-)
00	1-803/10, 001	0	Communication	92	CTL. HEAD (+)		CONTROL HEAD (+)
69	T-BUS/IC. IN	1:	OSD Micon/FiP Driver Serial	93	CTL. AMP. SW	0	CONTROL AMP. SW
08	1-BOGNO, IN	ı	Communication	94	CTL. AMP. IN		CONTROL AMP, IN
70	T-BUS/IC, CLK	0	OSD Micon/FIP Driver Serial	95	CTL, AMP, REF	I	CONTROL AMP, REFERENCE
70	1-603/10. CER		Communication	96	CTL. AMP. GND	_	CONTROL AMP. GND
71	IIC. CLOCK	0	Tuner/FM Audio IC Serial Communication	97	PB. CTL. OUT	0	PLAYBACK CONTROL OUT
72	IIC. DATA	I/O	Tuner/FM Audio IC Serial Communication	98	5V (A)		5V (A)
73	125Hz	0	Int. OSC Output for Main Clock Adj.	99	5V (AD)	l	5V (AD)
74	STANDBY ①	0	Display Output at VTR Stand-by	100	CH END (H)	,	Audio Carrier Auto Detect Completion
75	POWER FAIL ①	. 1	Power Stoppage Detect.	100	OTTEND (I)	1	Input at Tuner Preset

IC2205 (M38027V4EE): EDIT MICON

PIN. NO.	SIGNAL NAME	I/O	EXPLANATION	PiN. NO.	SIGNAL NAME	1/0	EXPLANATION
1	P62	0	OSD CLK	33	P17/AD15	0	NC
2	P61	0	OSD DATA	34	P16/AD14	0	NC
3	P60	0	OSD CS	35	P15/AD13	0	INSIDE (B)
4	P57/INT3	0	OSD ON ®	36	P14/AD12	0	NC
5	P56/PWM	0	NC	37	P13/AD11	0	NC
6	P55/CNTR1	0	NC	38	P12/AD10	0	NC
7	P54/CNTR0	-	L CLK CNT (F)	39	P11/AD9	0	NC
8	P53/Srdy2	0	NC	40	P10/AD8	0	NC
9	P52/SCLK2	1	SYS CLK	41	P07/AD7	l l	NTSC D/PAL (1)
10	P51/SOUT2	0	SYS OUT	42	P06/AD6	0	NC
11	P50/SIN2	Т	SYS IN	43	P05/AD5	0	NC
12	P47/Srdy1	0	DATA INH	44	P04/AD4	0	NC
13	P46/CLK1	1	CLK INPUT	45	P03/AD3	0	NC
14	P45/TXD	0	DATA OUT	46	P02/AD2	0	NC
15	P44/RXD	T	DATA IN	47	P01/AD1	0	BUS SELECT (8)
16	P43/INT2	0	NC	48	P00/AD0	0	BUS SELECT (A)
17	P42/INT1	0	NC	49	P37	1	CHECK (L)
18	CNVss	_	GND	50	P36	0	NC
19	RESET	_	RESET ©	51	P35	0	NC
20	P41/INT0	1	L CLK	52	P34	0	NC
21	P40/INT4	1	5P CLK	53	P33	0	NC
22	Xin		OSC IN	54	P32	0	COLOR ADJ (H)
23	Xout	_	OSC OUT	55	P31/DA2	I	TINT
24	Vss		GND	56	P30/DA1	- [COLOR
25	P27	0	NC (JOG LED (B))	57	Vcc		5V
26	P26	0	NC (EDIT21P)	58	Vref	_	5V
27	P25	0	NC (AVVTR ©)	59	AVss		GND
28	P24	0	NC (TBC SERCH (L))	60	P67	1	EE DATA IN
29	P23	0	NC (TBC TRICK ©)	61	P66	0	EE DATA OUT
30	P22	0	NC (TBC ON)	62	P65	0	EE CLK
31	P21	0	NC	63	P64	0	EE CS0
32	P20	0	NC (EDIT ®)	64	P63		NC

3-42

IC2207 (M66010GP): SUB MICON

PIN. NO.	SIGNAL NAME	1/0	EXPLANATION	PIN. NO.	SIGNAL NAME	1/0	EXPLANATION
1	DO	0	Serial Data Output	17	MIX ©	Ι	Audio Mixing ①
2	DI	1	Serial Data Input	18	PB ©	Ι	PLAY BACK (L)
3	CLK		Serial clock	19	REC (L)	I	REC ①
4	CS		Chip select	20	PR 🕒	- 1	Prerofl Connect (L)
5	VCC	1	VCC	21	8M 🗓	ı	8mm Connect ©
6	S	1	Power ON ①	22	RS ①	I	RS232C Connect ①
7	GND	_	_	23	DV ©	ı	DV Terminal Connect ①
8	ED2 🕀	I	TV⊕	24	5P 🛈	I	5P Terminal Connect (L)
9	MUSE ①	Τ	Muse ①	25	STAB	1	Safety Tab SW
10	L2FM ①	I	L2 Full Mode ①	26	CLIM	1	CURR. Limit
11	L1FM (L)	1 .	L1 Fuil Mode ©	27	P03		Position SW3
12	CAS L/S	Ī	Cassette Detect L cassette (II)/S cassette (II)	28	P02	I	Position SW2
13	BIL (L)	I	Bilingual (L)	29	P01	1	Position SW1
14	STE ①	ı	Stereo ①	30	DOWN	I	Tray Down ①
15	RSTOP (L)		Real Driver destruction detect Input	31	OPEN	I	Tray Open ①
16	GND	_		32	CLOSE		Tray Close ①

IC2208 (M66010GP): SUB MICON

PIN. NO.	SIGNAL NAME	1/0	EXPLANATION	PIN. NO.	SIGNAL NAME	1/0	EXPLANATION
1	DO	0	Serial Data Output	17	NC		
2	DI	1	Serial Data Input	18	NC		<u> </u>
3	CLK	- 1	Serial Data Clock	19	NC	<u> </u>	_
4	CS	Ì	Chip Select	20	NC		_
5	VCC	I	VCC	21	RCH (f)	0	R CH ⊕
6	S	Π	Power On ①	22	LCH ⊕	0	L CH ⊕
7	GND		-	23	MIX ①	0	Mix ①
8	NC	_		24	\$2 Û	0	S Output Terminal widefull (L)
9	NC			25	A3 (H)	0	Input Select ⊕
10	NC	—		26	A2 (f)	0	Input Select (f)
11	NC			27	A1 ⊕	0	Input Select (1)
12	NC	_	·	28	LINE (L)	0	Line Input Select ©
13	NC	-		29	WIDE 🗓	0	S Output Terminal widefull ①
14	NC	$\overline{}$	_	30	TV/VTR (f)	0	TV/VTR⊕
15	NC	_		31	P OFF (H)	0	Power off (H)
16	GND	_	-	32	J CLK (L)	0.	Jast Clock (L)

EDIT/SYSTEM CONTROL & SERVO ICs DC VOLTAGE CHART (Mini DV : SP MODE)

EDIT/S	SIE	:M C	ONI	KOL	8.5	EKV	O IC:	s DC	VOL	. I A G	iE Ci	HAK	T (Mi	UI D.	V : S	P MC	JDE)	l		
REF. NO.										IC2	201									
MODE	1	2	3			T -							ľ						1	
STOP	4.9	5.0	۵																	
PLAY	4.9	4.9	- 11					1												
REC	4.9	5.0	0					į												
F.F	4.9	4.9																		
REW	4.9	4.9	0		<u>i </u>	<u> </u>					<u> </u>									
REF. NO.										IC2	202			,						
MODE \	1	. 2	.3	4	5	6	7	8	9	10	11	12	13	14	15	16				
STOP	4.8	4.0	4.0	4.0	4.9	0	0	0	5.0	5.0	4.6	4.6	4.6	4.6	4.6	5.0			ļ	
PLAY	4.8	4.0	4.0	4.0	4.9	D-	0	0	4.9	4.9	4.6	4.6	4.8	4,9	4.6	4.9		_		\vdash
AEC	4.8	4.0	4.0	4.0	4.9	0	0	0	5.0	5.0	4.6	4.6	4.6	4.9	4.6	5.0				\vdash
F.F	4.8	4.0	4.0	4.0	4.9	0	0	0	4,9	4.9	4.6	4.6	4.6	4.9	4.6	4.9	_		-	
REW	4.8	4.0	4.0	4.0	4.9	0	0		4.9	4.9	4.6	4.6	4.6	4.9	4.6	5.0		<u> </u>		
REF. NO.	 −	2	3		5	6	7	8	_		203	12	13	14	15	16	17	18	19	20
MODE \	0	Z	2.7	5.0	5.0	4.9	Ó	0	9	10	†1 III	1.6	4.7	5.1	0	10	0.2	0	0	0
PLAY	0	0	2.7	4.9		4.9	<u>"</u>	0	0	0	0		4.7	5.1		÷	0.1	0	0	0
REG	0	0	0.1	5.0	4.9	4.9	0	0	0	0	0	1.6	5.0	5.1	0	0	0.2	0	0	
F.F	0	0	2.8	4.9	4.9	4.9	0	0	0	0	0	1.6	4.7	5.1	0		0.2		0	
REW	0	0	2.7	4.9	4.9	4.9	0	ő	0	0	ō	1,6	4.7	5.1	0	0	0.2	0	0	0
REF. NO.		<u> </u>		-770	710	-10			<u></u>		203			~	-					<u> </u>
MODE	21	22	23	24	25	26	27		29	30	31	32	33	34	35	36	37	38	39	40
STOP	0	0	0	0	4.7	0	0	4.7	0	0	0	0	0	0	0	4.7	4.7	2.2	2.1	0
PLAY	0	D	0	0	4.7	0	0	4.7	0	0	0	0	Ü		0	4.7	4.7	2.2	2.1	0
REC	0	0	0	0	4.7	ő	0	4.7	ů,	0	0	0	0	ī	0	4.7	4.7	2.2	2.2	0
F,F	0	0	0	0	4.7	0	0	4.7	0	0	a	0	0	0	Ò	4.7	4.7	2.2	2.1	0
REW	0	0	0	0	4,7	0	0	4.7	0	0	Q	0	0	0	0	4.7	4.7	2.2	2.1	0
REF. NO.										IC2	203									
MODE	41	42	43	44	45	46	47	48	49	60	51	52	53	54	55	56	57		59	
STOP	1.3	1.3	4.7	0	2.4	Û	0	Û	0	0.5		4.7			0	_0	4.7	4.7	0.4	0
PLAY	1.3	1.3	_	0	2.4	0	0	0	0	1.0	0	4.7	0	0	0	0	4.7	4.7	0.5	0
REC	1.3	1.3	_	0	2.3	0	ō	ū	0	0.3		4.7	0	. 0	0	0	4.7	4.7	0.5	0
F.F	1.8	1.3	1.3	_	2.4		0	0		0.2	0	4.7	0	0	0	0.2	4.7	4.7	0.2	
REW	1.3	1.3	4.7	_	2.4		0	0	-0	0.3	0	4.7	0	0	Q	0	4.7	4.7	0.2	0
REF. NO.											203							r		·
MODE	-61	62	63	84	65	66	67	68		70	71	72	73	74	75	76	77	78	79	80
STOP	0	0	5.0	0	3.6	4.2	4.5	4.4	4.4	4.4	2.9	2.9	2.4	4.7	5.0	0	0	4.0		
PLAY REC	9	0	5.0 6.0		3.6	4.2	4.6 4.6	4.4	4.4	4,4	2.9	2.9	2.3	4.7	5.0	0	0	3.9	0	0
F.F	0	0	4.9	0	3.6	4.1	4.5	4.4	4.4	4.4	2.9	2.9	2.3	4.7	5.0	0	0	4,0	0	0
REW	0	0	4.9	0	3.6	4.1	4.5	4,4	4.4	1,2	2.9	2.9	2.3	4.7	5.0	ii	0	4.0	0	Ĭ.
REF. NO.		· ·	7/9		10.0	44.1	4.0	717	1 777	IC2		2.0	6.0		0.0			4.0		
MODE	81	82	83	84	85	86	87	88	69	90	91	92	93	94	96	96	97	98	99	100
STOP		0	0	4.2	0	0		0	2.5	2.5	0	0		2.5	2.5	1	2.5	5.0	5.0	0.2
PLAY	0	0	0	4.2	0	0	0	0	2.5	2.5	0	0	0	2.5	2.5	0	2.5	4.9	4.9	0.8
REC		0	0	4.2	0	0	0	0	2.5	2.5	0	0	0	2.4	2.5	0	2.5	5.0	5.0	0.6
F.F	0	0	0	4.2	0	0	0	0	2.5	2.5	0	0	0	2.5	2.5	0	2.5	4.9	4.9	0.3
REW	0	0	0	4.2	0	0	0	0	2.5	2.5	0	0	0	2.5	2.5	T.	2.5	4.9	4.9	0.2
REF. NO.										IÇ2	204									
MODE	1	. 2	3	4	- 5	6	7	8												
STOP	5.0	5.0	5.0	5.0	0	0	5.0	5.0												
PLAY	5.0	5.0	5.0	4.9	0	0	4.9	5.0				ļ								\sqcup
REC	5.0	4.9	5.0	4.9	0	0	4.9	5.0											ļ	
F.F	4.9	4.9	4.9	4.9	0		4.9	4.9											_	$\vdash \vdash$
REW	5.0	4.9	4.9	4.9	0		4.9	4.9		:										$\sqcup \sqcup$
REF. NO.		-						·-		IC2										
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	4.7	4.6	4.4	0	0	0	4.9	0	4.7	4.8	3.8	0.5	4.0	0.3	4.6	0	-	0	4.5	5.0
PLAY	4.7	4.6	4.4	0	0	0	4.9	0	4.7	4.7	3.9	0.5	4.0	0.3	4.6	0	0.4	0	4.5	4.9
AEC	4.7	4.6	4.4	0	0	0	5.0	0	4.7	4.7	3.9	0.4	4.0	0.9	4.6	0	0.1	0	4.5	5.0 4.9
F.F REW	4.7	4.6 4.6	4.4	0	0	0	4.9 4.9	0	4.7	4.8 4.8	3.9	0.4	4.0	0.3	4.6	0	0	0	4.5 4.5	4.9
REF, NO.	4.1	4'0	4.4	U	0	0	4.9	U	4.7	4.8 IC2		0.4	4.0	0.3	4.0		_ =		4.0	→.9
MODE NO.	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37		39	40
STOP	4.8	2.1	2.3	0	0	0	5.0	5.0	5.0	5.0	0	0	0	04 0	0	0		-	0	0
PLAY	4.8	2.1	2.2	0	0	0	0	5.0	4.9	0	0	0	0	0	0	0	0	0	0	0
REC	4.8	2.0	2.3	0	0	0	5.0	5.0	5.0	5.0	0	0	0		0	0	0	0	0	Ö
F.F	4.8	2.1	2.3	0	0	0	4.9	4.9	4.9	4.9	0	0	0	0	0	0	0	0	0	ō
REW	4.8	2.1	2.3		0	ō	0.4	4.9	4.9	4.9	0	0	0	0.5	0	0	0	ō	0	ŏ
1.15.77	714						T	T+sP	7100	7197				-7110		~	_ ~	_ ~		لـــــــ

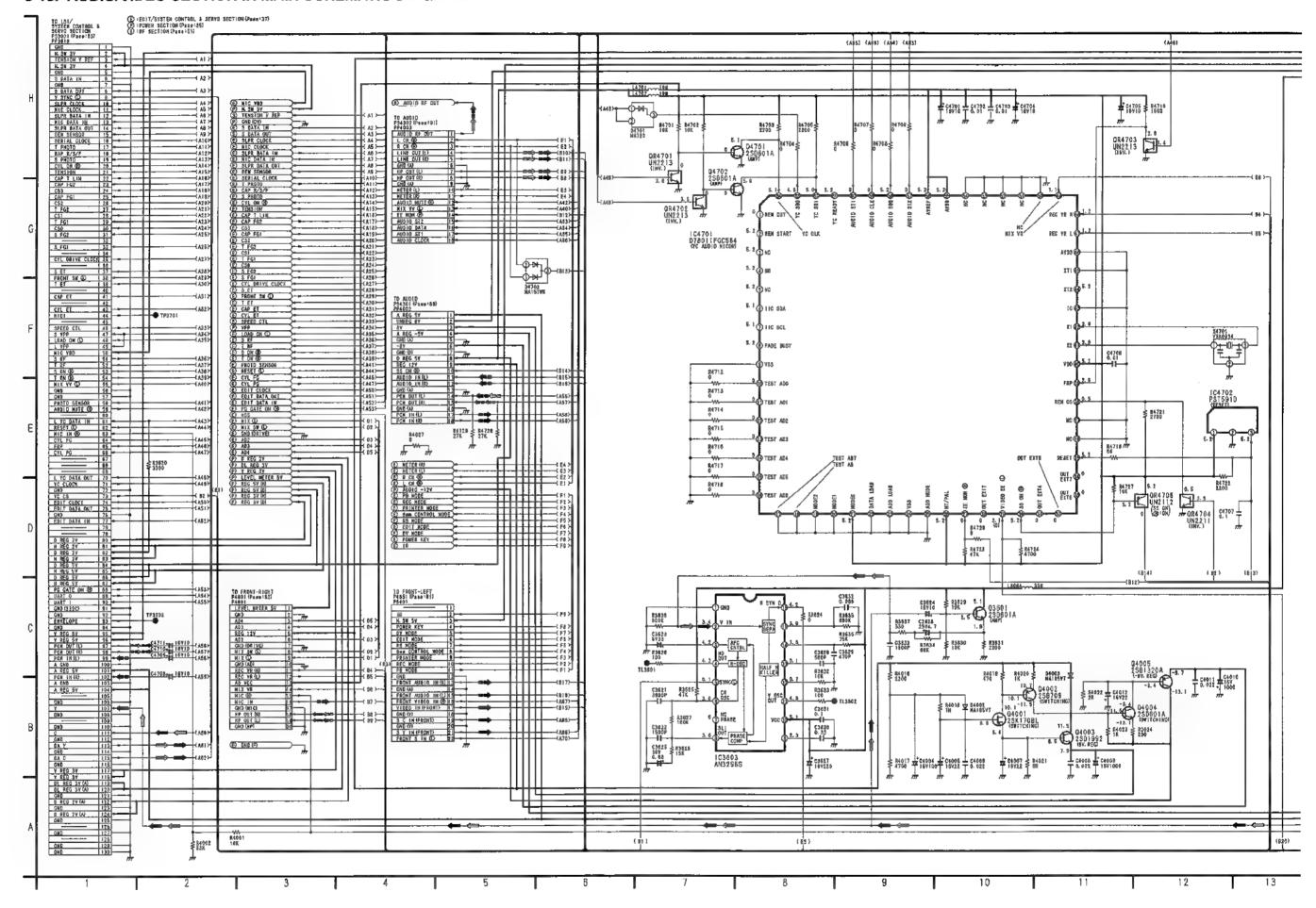
N neer sur	1					_														
REF. NO.	<u> </u>	40	40	1 44	AE.	46	47	1 40	40		205	- FA	- F-0	E4	3.5	60	57	101	F 6 6	ec
STOP	5.0	42	43	44	45	- 46 - 0	5.0	5.0	49	50	51 0	52	53	54	2.5	2.5	57 5.0	5.0	59 0	5.0
PLAY	4.9	0	0	0	0	0	5.0	4.9	4.9	0	0	0	D	<u> </u>	2.5	2.5	4,9	5.0	U	4.9
REC	4.9	0	0	0	0	0	5.0	5.0	4.9	0	0	0	0	0	2.5	2.5	4.9	4.9	i	5.0
F.F	4.9	0	0	0	0	0	4,9	4.9	4.9	0	o	Ĭ		0	2.5	2.5	4.9	4,9	H	5.0
REW	4.9	0	0	0	0	0	5.0	4.9	4.9	ō	- ō	-	0	0	2.5	2.5	5.0	5.0	i	4.9
REF. NO.	7.0			· · ·		_ ·	0.0	1	1.0		205				LIFO		1 0/2	0.0		
MODE	61	62	63	64					i							I				
STOP	5.0	5.0	5.0	0.6					Ì											
PLAY	4.8	5.0	4.9	0.6		\vdash	-		<u> </u>		1			_					-	
REC	5.0	5.0	5.0	0.3																
F,F	4,9	4.9	4.9	1.7																
REW	4.9	4.9	4,9	1,2				1			į									
REF. NO.										IC2	206									
MODE	1	2	3	4	5	- 6	7	8	9	10	11	12	13	14	15	16				
STOP	0	3.4	3.4	0	3.4	0	3.4	0	3.4	0	0	0	3.4	3.4	0	3.4				
PLAY	0	3.4	3.4	0	1.8	0	3.4	0	3.4	0		0	3,4	3.4	0	3.4				\vdash
REC	0	3.4	3.4	0	1,8	0	3.4		3.4	0		0	3.4	3.4	0	3.4				\square
F.F		3.4	3.4	0	1.8	0	3.4	-	3.4	0		0	3.4	3.4	0	3.4	-	<u> </u>		\vdash
REW	. 0.	3.4	3.4	0	1.8	0	3.4		3.4	0	0	C	3.4	3.4	0	3.4				\Box
REF. NO.	<u> </u>	-	_	4		٦,	-	-			207	10	40	34	4=	10	1 1 -	12		22
MODE	1 4.0	2	3	4	5	6	7	. 8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	4.3	3.6	4.7	4.4	5.1	5.1	0	0.7	0.7	0.2	0.2	4.9	0.7	0.7	5.1		5.1 5.1	5.0	0	5.0
PLAY	4.3	3.6 3.6	4.7	4.4	5.1 5.1	5.1	0	1.3	1.1	1.1	1.0	4.9	1.1	1.2	1.1	0	5.1	5.0	0	5.0
F.F	4.3	3.6	4.7	4.5	5,1	5.1		2.3	1.1	1.0	1.0	4.9	1,0	1.0	5.1	0	5.1	5.0	0	5.0
REW	4.3	3.6	4.7	4.4	5.1	5.1	0	2.2	2.2	1.2	1.0	4.9	1.1	1.1	5.1	ō	5.1	5.0	0	5.0
REF. NO.		Liid			0			410			207	110		711				, 0.5		
MODE	21	22	23	24	25	26	27		29	30	31	32				T	[
STOP	5.0	0	5.0	5.0	0	0	5,0	5.0		5.0	5.1	0			-	Ì				
PLAY	5.0	٥	5.0	5.0	0	0	5.0	5.0		1.1	5.1									\Box
REC	5.0	0	5.0	5.0	0	0	5.0	5.0	0	5.0	5.1	0								\Box
F,F	5.0	0	5.0	5.0	0	0	5.0	5.0	1.0	5.0	5.1	ū								
REW	5.0	0	6.1	5.0	0	0	5.0	5.0		5.0	5.1	0								
REF. NO.										IÇ2	208									
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	4.3	3.6	4.7	4.6	5.1	5.1	٥	0 ;	0	0	0	0	0	0	0	0	0	0	0	0
PLAY	4.3	3.6	4.7	4.8	5.1	5.1	0	0	0	Û	0	0	0	0	0	0	0	0	0	0
REC	4.3	3,6	4.7	4.6	5.1	5.1	0	-0	0	0	0	0	0	0	0	0	0	0	0	
F.F	4.3	3,6	4.7	4.5	5.1	5.1	0	0	0	0	0	0	0	0	5.1	0	6.1	5.0		5.0
REW	4.3	3,6	4.7	4.5	5.1	5.1	0	0	0	0	0	0	O.	0	0	0	0	0	٥	0
REF. NO.	A.,		-00		0.5				- 00	IC2		- 00			····	·				
MODE	21	22	23	24	25	26	27	28	29	30_	31	32			_			<u> </u>		i
STOP	3.5	3.5	5.1	0.1	0	0	0.2	0	0	0	0.1	0.1								
PLAY	3.5	3.5	5.1	1.2	0	0	1.9	0	0	0	0.1	1.9			-					$\vdash\vdash\vdash$
REC F.F	3.5 5.0	3,5	5,1 5.1	0	<u> </u>	0	0.1	0	- 1	0	0.1	0								
REW	3.5	3.5	5.1	0	0	0	0.1	U	0	D	0.1	0								
REF. NO.	2112		201			209					27.1				IC2	210				\neg
MODE	1	2	3								1	2	3							
STOP	5.1	5,1	0								4.7	<u> </u>	4.7							
PLAY	5.1	5.1	0								4.7	0	4.7							
REC	5.1	5.1	0								4.7	П	4.7							
F,F	5.1	5.1	0								4.7	1	_							
REW	5.1	5.1	0								4,7									
REF. NO.					_	211										212				
MODE \	1	2	3	4	5	6	7	-			1	2	3	4	5	6	7	8		
STOP	3,4	3,4	3.4	0	0	0	3.4	3.4			3.4	3,4	3,4	0	0		3.4	3.4		
PLAY	1.8	2.6	2.6		8.0	2.1	3.4	3.4			1.8	3.4	2.1		1.3	2.1	3.4	3.4		
REC	1.8	2.6	2.6	0	8.0	2.1	3.4	3.4			1.8	3.4	2.1	0	1.3	1,2	3.4	3.4		-
F.F	1.8	2.6	2.6	0	0.8	2.1	3.4	3.4	\vdash		1.8	3.4	2.1	0	1.3	2.1	3.4	3.4		
REW	1.8	2.6	2.6		8.0	2.1	3.4	3.4			1.8	3.4	2.1	0	1.3	2.0	3.4	3.4		
MODE NO.	1	2	3	4	1G2 5	213 6	7	8			1	2	3	4	IC2 5	214 6	7	8		$\overline{}$
STOP	0.1	3.4	3.4	0	0	3.4	3.4	3.4			0	3.4	0	0	2	0		3.4		\dashv
PLAY	0.4	3.4	1.3	0	2.1	3.4	3,4	3.4			1.3	2.6	0		0	0.4	0.4	3.4		\dashv
REC	0.4	3.4	1.3	0	2.1	3.4	3.4	3.4			1.3	2.6	0		0	0.4	0.4	3.4		\dashv
F,F	0.4	3.4	1.3	0	2.1	3,4	3.4	3.4			1.3	2.6	<u> </u>	i	0	0.4	0.4	3.4		\dashv
8EW	0.4	3.4	1.4	ō	2.0	3.4	3.4	3.4			1.3	2.6	0	- 1	0	0.4	0.4	3,4		-

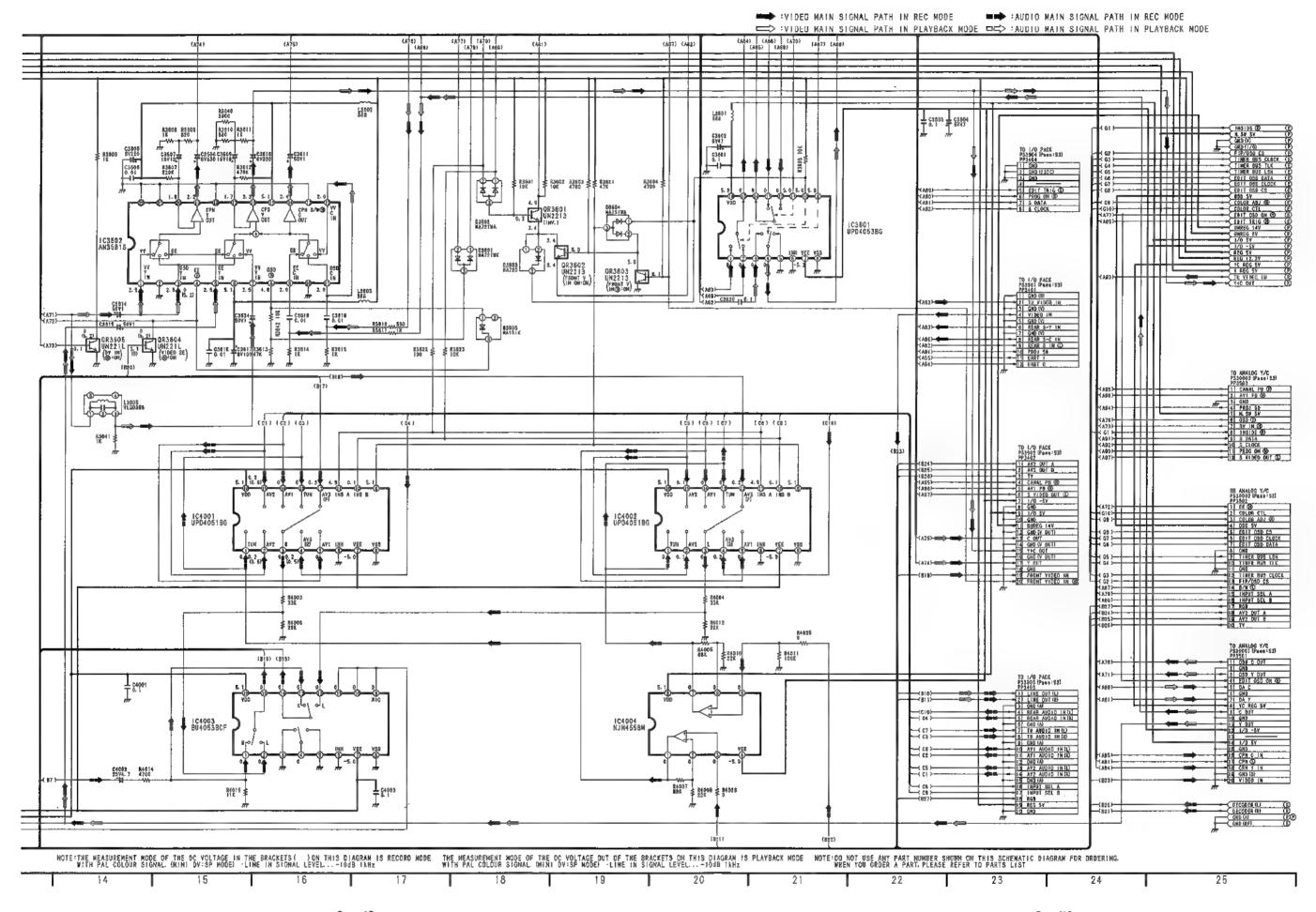
REF. NO.					IC2	215				 				IÇ2	216		
MODE	1	2	3	4	5					1	2	3	4	5			
STOP	0	0.1	0		3.4				Ī	0	0	0	_ 0	3.4			
PLAY	0	0.4	1.3	0.3	3.4				ì	0	0	0	0	3.4		 	
REC	0	0.4	0	0.3	3.4			Г	I		=	0	0	1.0			
F.F		0.4	III.	0.3	3.4					0	0	0	0	3.4			
REW		0.3	0	0.3	3,4		-			0	3.7	0	_	3.4			

EDIT/SYSTEM CONTROL & SERVO TRS DC VOLTAGE CHART (Mini DV : SP MODE)

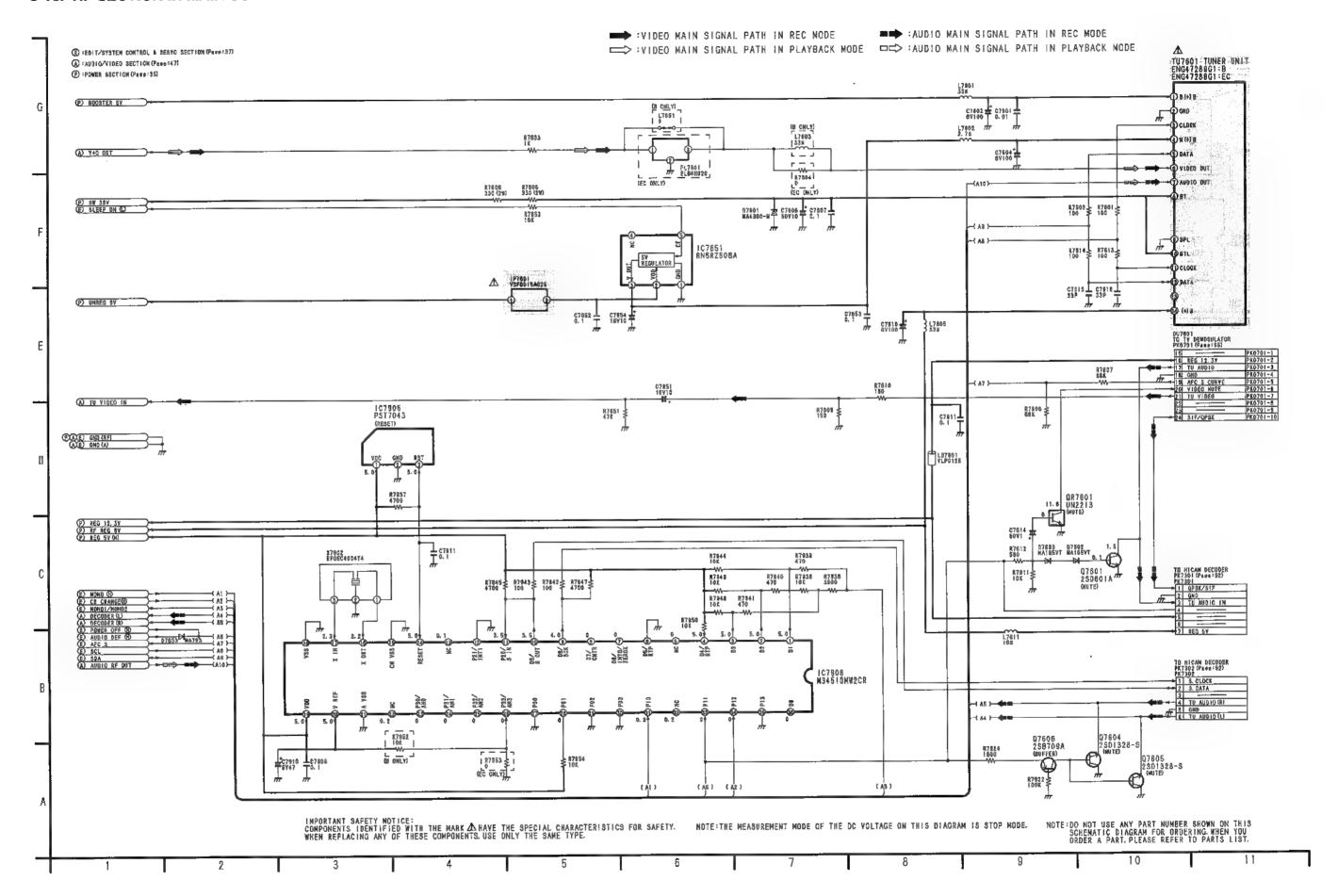
REF. NO.		Q2201			Q2202			Q2203			Q2204		Γ.	Q2205			Q2206	
MODE	E	С	В	Е	С	В	E	C	В	Е	С	В	E	С	В	E	Ċ	В
STOP	0	4.7	0	0	3.8	0.1	0	4.6	0	0	4.8	0	0	4.7	D	0	4.5	0
PLAY	- 0	4.7	0	0	3.9	0.1	0	4.6	0	0	4.8	0	C	4.7	٥	0	0	4.5
REC	0	4.7	0	0	3.8	0.1	. 0	4.6	0	0	4.8	0	0	4.7	0	0	4.6	. 0
F.F	0	4.7	Ď,	0	3.8	0.1	0	4.6	Ô	0	4.8	0	0	4.7	0	0	4.5	0
REW	0	4.7	D	Q	3.9	0.1	0	4.6	0	0	4.8	0	0	4.7	D	0	4.5	0
REF. NO.		Q2207																
MODE	E	C	В															
STOP	0	4.2	0.1															
PLAY	i	4,1	0.1															Ш
REC	- 11	4,2	0.1												[
F.F	0	4.2	0.1															
REW	0	4,2	0.1															
REF. NQ.		QR2201			QR2202	?		QR2203	3		QR2204	ļ		QR2208	•		QH2206	5
MODE \	E	C	В	E	C	В	Е	С	В	E	С	В	E	Ç	В	E	С	В
STOP	0	0	3.5	0	5.1	0	0	0_	3.4	0	0.1	2.8	0	0	4.0	Q	0	4.5
PLAY	0	0	3.5	0	5.1	0	0	0	3.4	0	0.1	2.9	0		4.0		4.5	
REC	0	0	3.5	0	5.1	0	0	0	3.4	Q	0.2	2.8	0		4.0	0	0	4.5
F.F	0	0	3.5	0	5.1	0		Ü	3.4	0	0.1	2.9	_0_		4.0	- 11	Q	4.5
REW	0	0	3.5	0	5.1	0	Û	0	3.4	0	0.1	2.9	0	0	4.0		- 11	4.5
REF. NO.		QR2207			QR2208			QR2209)		QR2210			QR2211			QR2212	
MODE	E	С	В.	E	С	В	E	С	В	E	C	8	E	_ c	8	E	С	8
STOP	0	0	3.5	0	0	3.5	0	4.5	1.0	0	3.6	1.1	0	4.5	0.9	0	C	3.3
PLAY	٥	O.	3.5		0	3.5	0	4.5	1.0		3.6	1.0		4.5	0.9	Ti.	- 5	3.3
REG	0	0	3.5	0	0	3.5	0	4.6	1.0	0	3.6	1.1	0	4,5	0.9	0	- 0	3.3
F,F	0	0	3.5	0	0	3.5	0	4.5	1.0	0	3.6	1.0	0	4.5	0.9	0	0	3.3
REW	O	0	3.5	0	0	3.5	0	4.5	1.0	- 11	3.6	1.1		4,5	0.9	0	0	3.3
REF. NO.		QR2213			QR2214			QR2215			QR2216			QR2217		_	QR2218	_
MODE \	E	C	В	E	C_	В	E	C	В	E	С	В	Е	С	В	Е	C	В
STOP		4.4	0.5	0	0	3.7	0	4.6	0.4	0	5.1	0	0	5.1	0	0	5.0	0
PLAY		4.4	0.5	0	0	3.7	0	4.5	0.4	0	0	3.7	0	0	3.7	0	5.0	0
REC	0	4.4	0.5	D	Û	3.7	0	4.6	0.4	0	0	3.7	0	0	3.7	0	5.1	0
F.F	0	4.4	0.5	0	0	3.7	0	4.5	0.4	0	0	3.7	0	ij.	3.7	0	5.0	
REW		4.4	0.5	0	0	3.7	0	4.6	0.4	0	0	3.7	0		3.7	0	5.0	0
REF. NO.		QR2219	•		QR2220	1		QR2221			QR2222							
MODE \	Ξ	Ċ	8	E	С	В	E	С	8	E	С	В						\square
STOP	0	D	4.7	ı i	0	3.2	0	0,1	3.1	0	- 1	3.5						
PLAY	0	0	4.7	0	0	3.2	0	0.1	3.1	0	0	3.5						\vdash
REC		0	4.7	0	0	3.2	0	0.1	3.1	- 0	0	3.5						
F,F	. 0	0	4.7	0	0	3.2	0	0.1	3.2	0		3.5			\Box			\square
REW	0	0	4.7	0	0	3.2	0	0.1	3.1	- 8		3.5						

3-15. AUDIO/VIDEO SECTION IN MAIN SCHEMATIC DIAGRAM

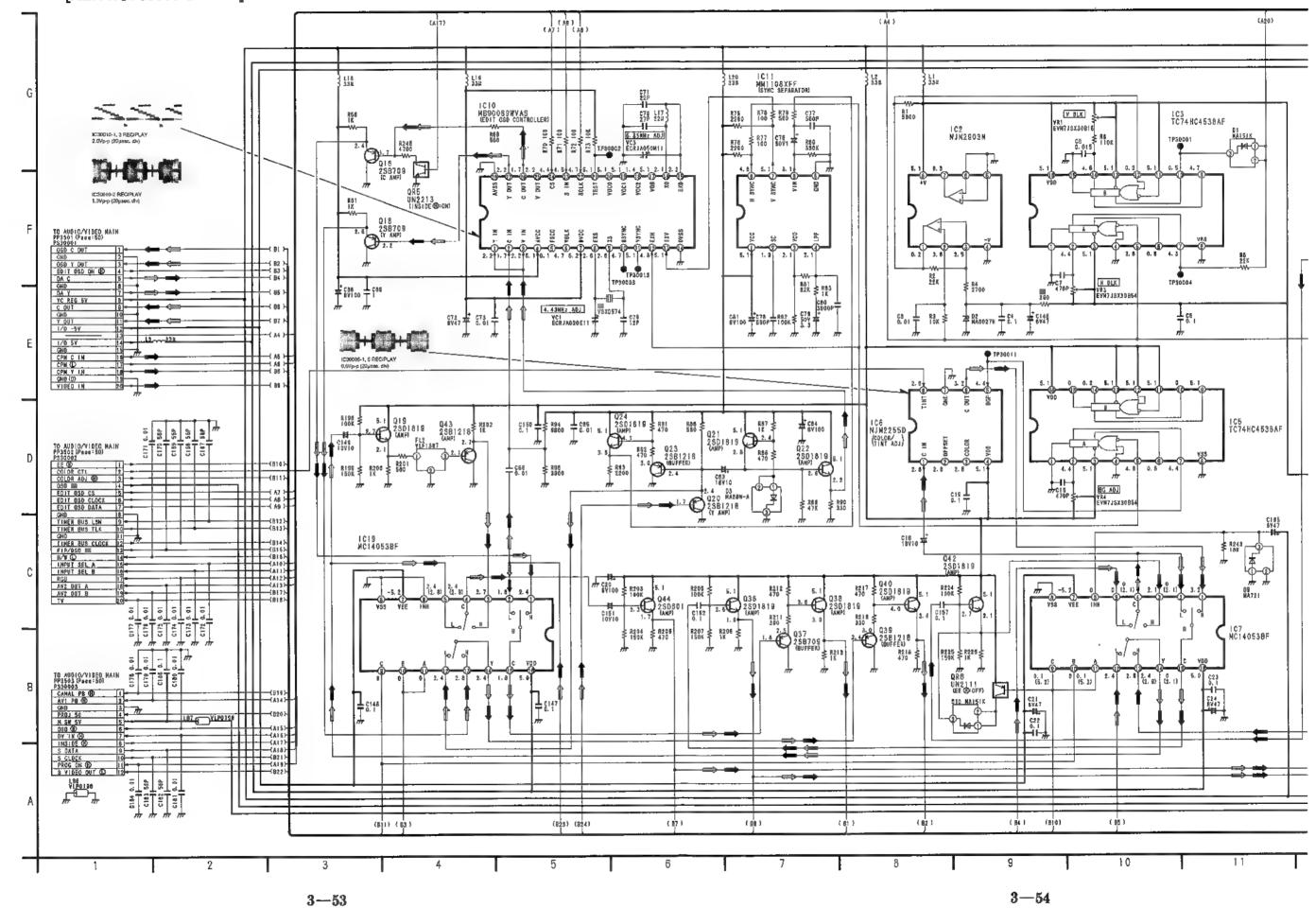


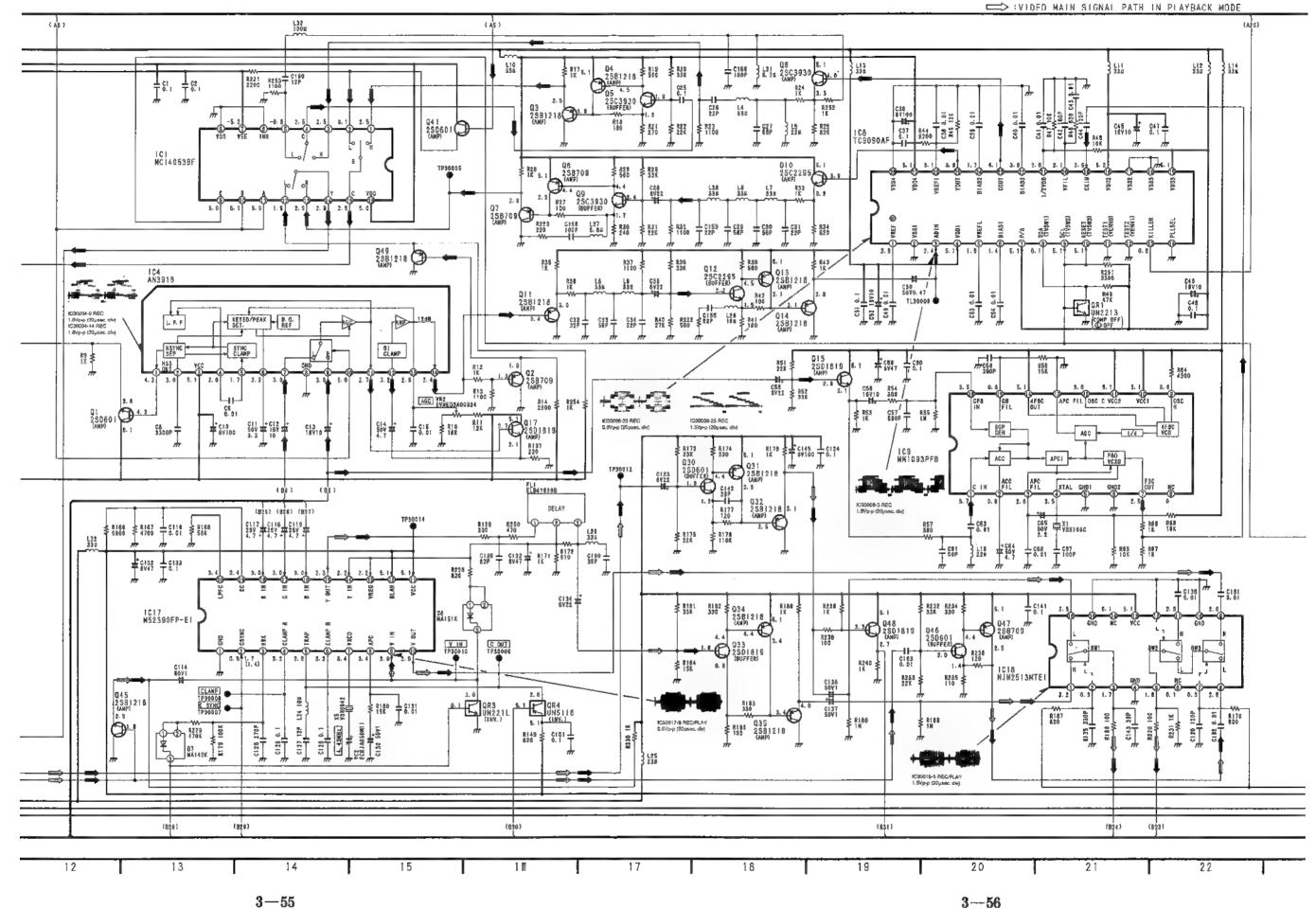


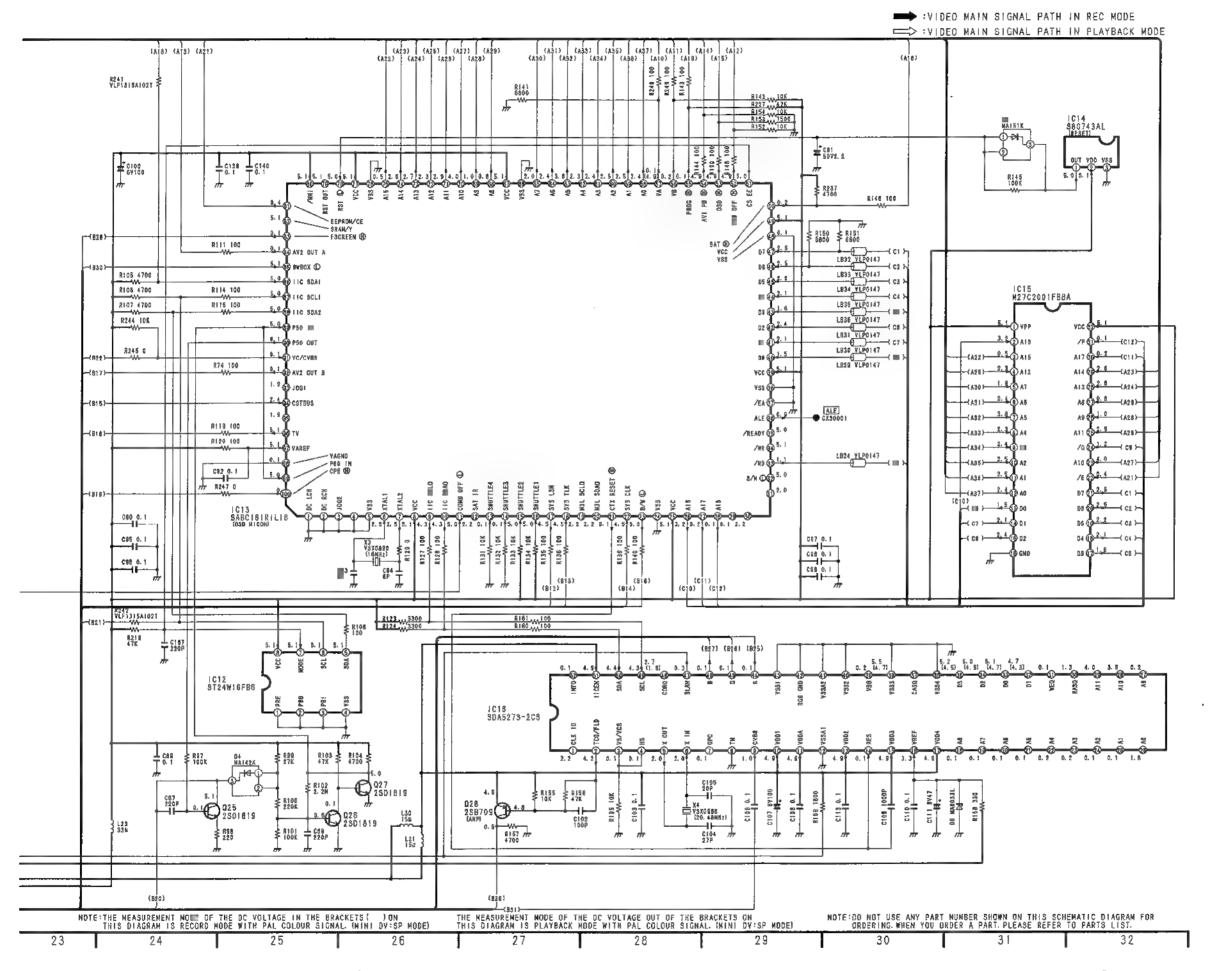
3-16. RF SECTION IN MAIN SCHEMATIC DIAGRAM



3-17. ANALOG Y/C SCHEMATIC DIAGRAM [REF. NO. 30000 SERIES]



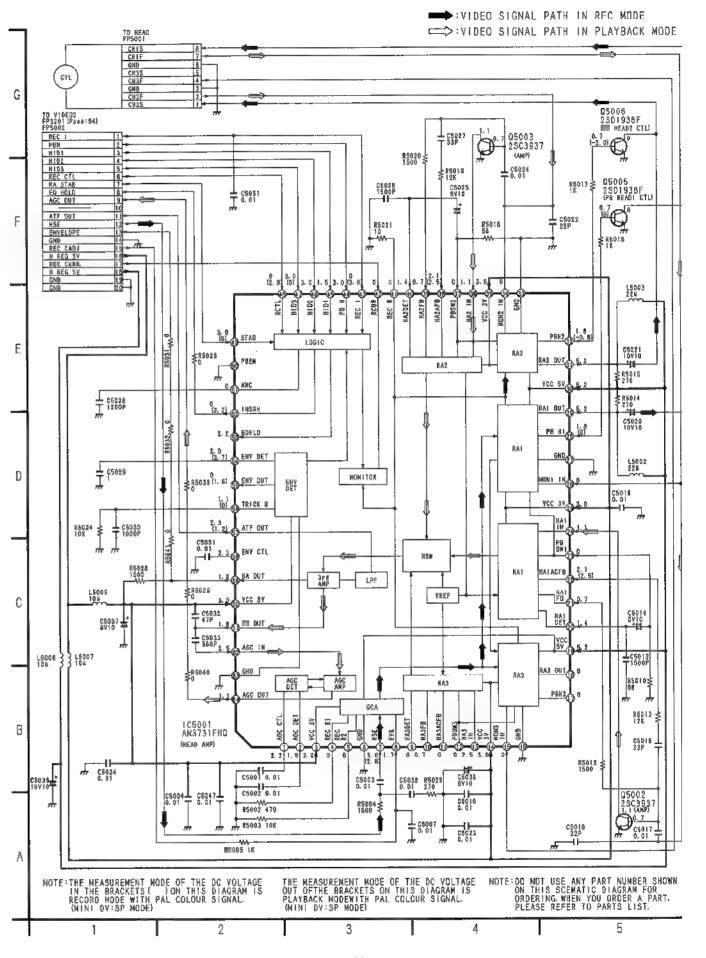


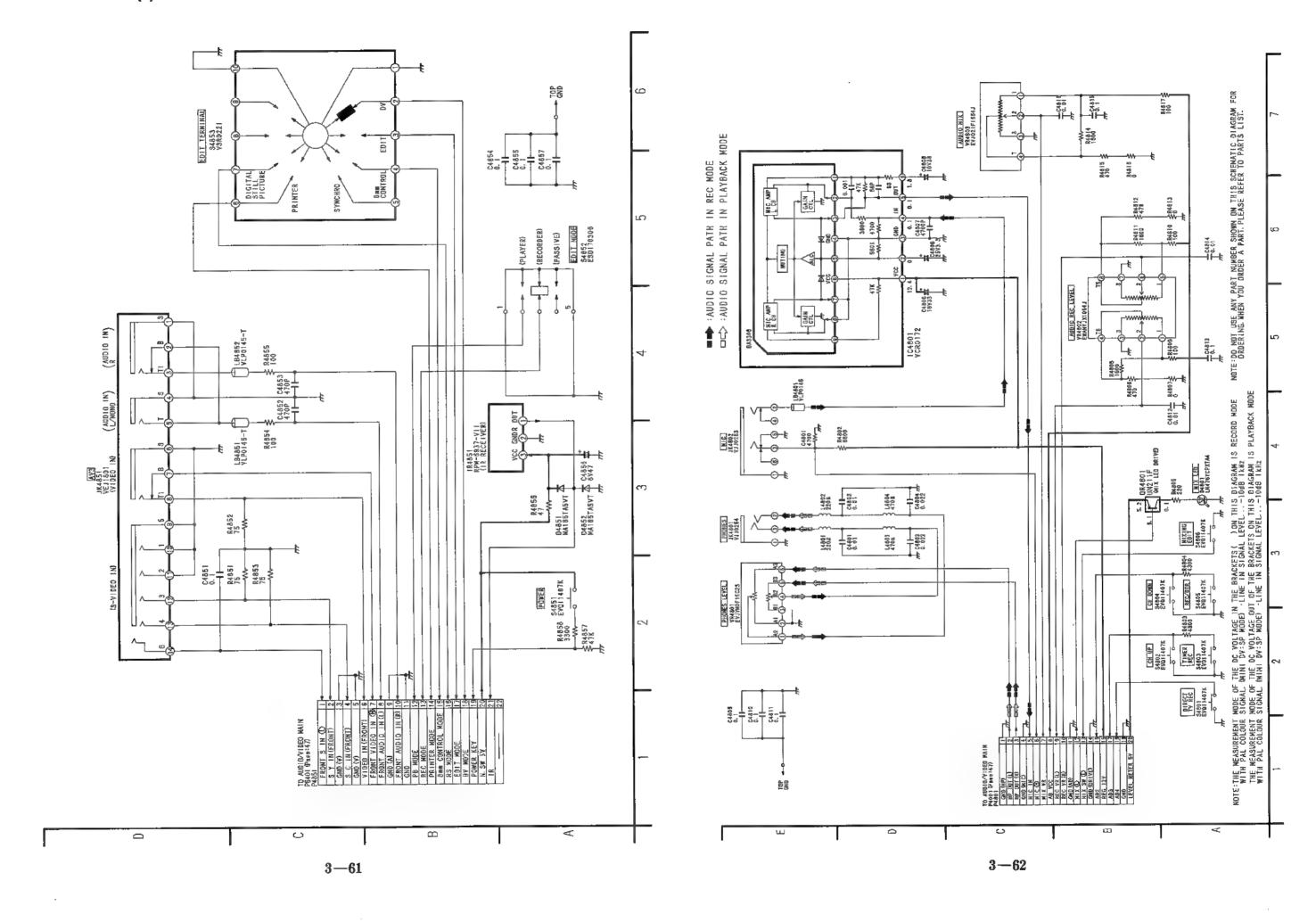


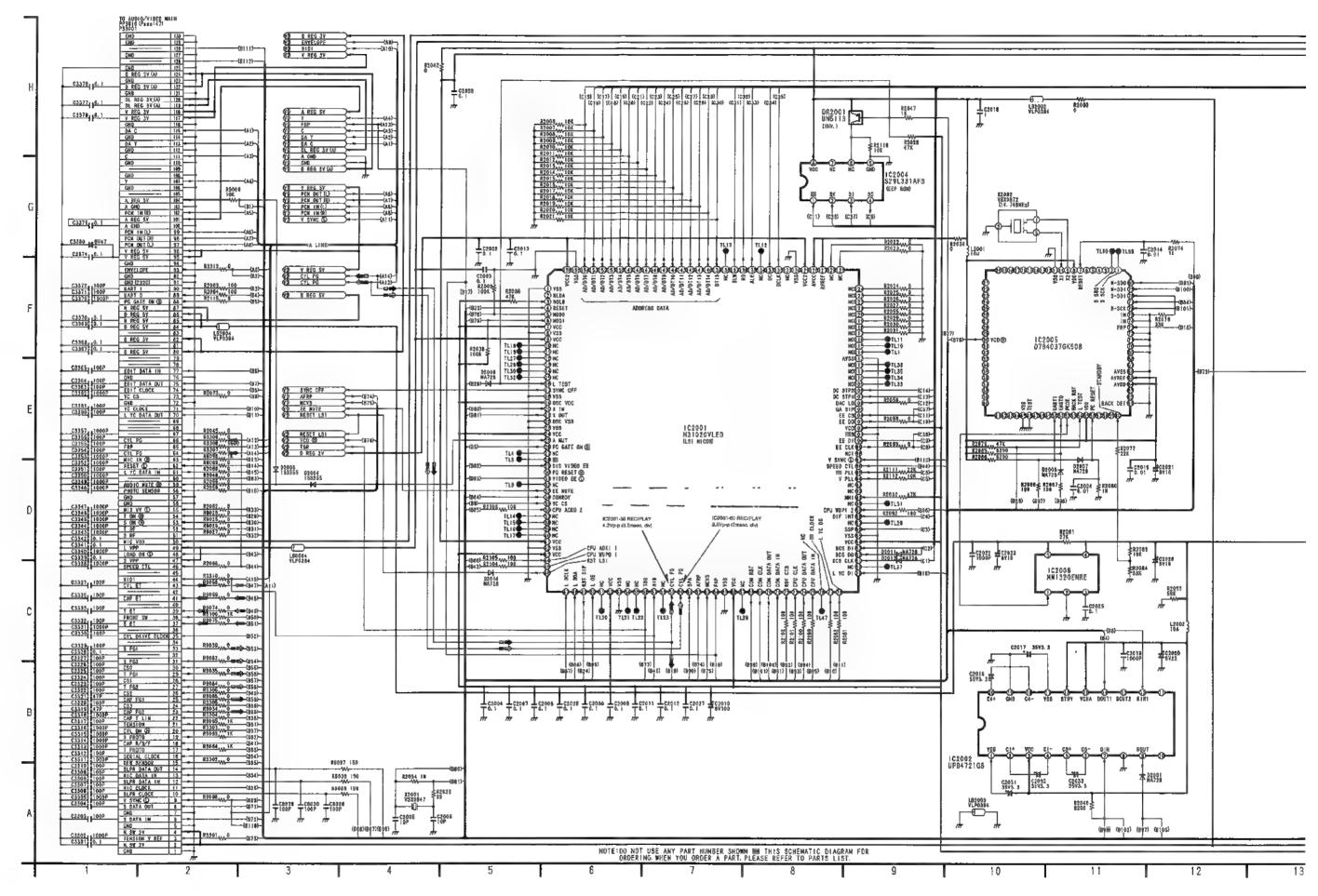
IC30013 (SABC161RIL16): SUB MICON

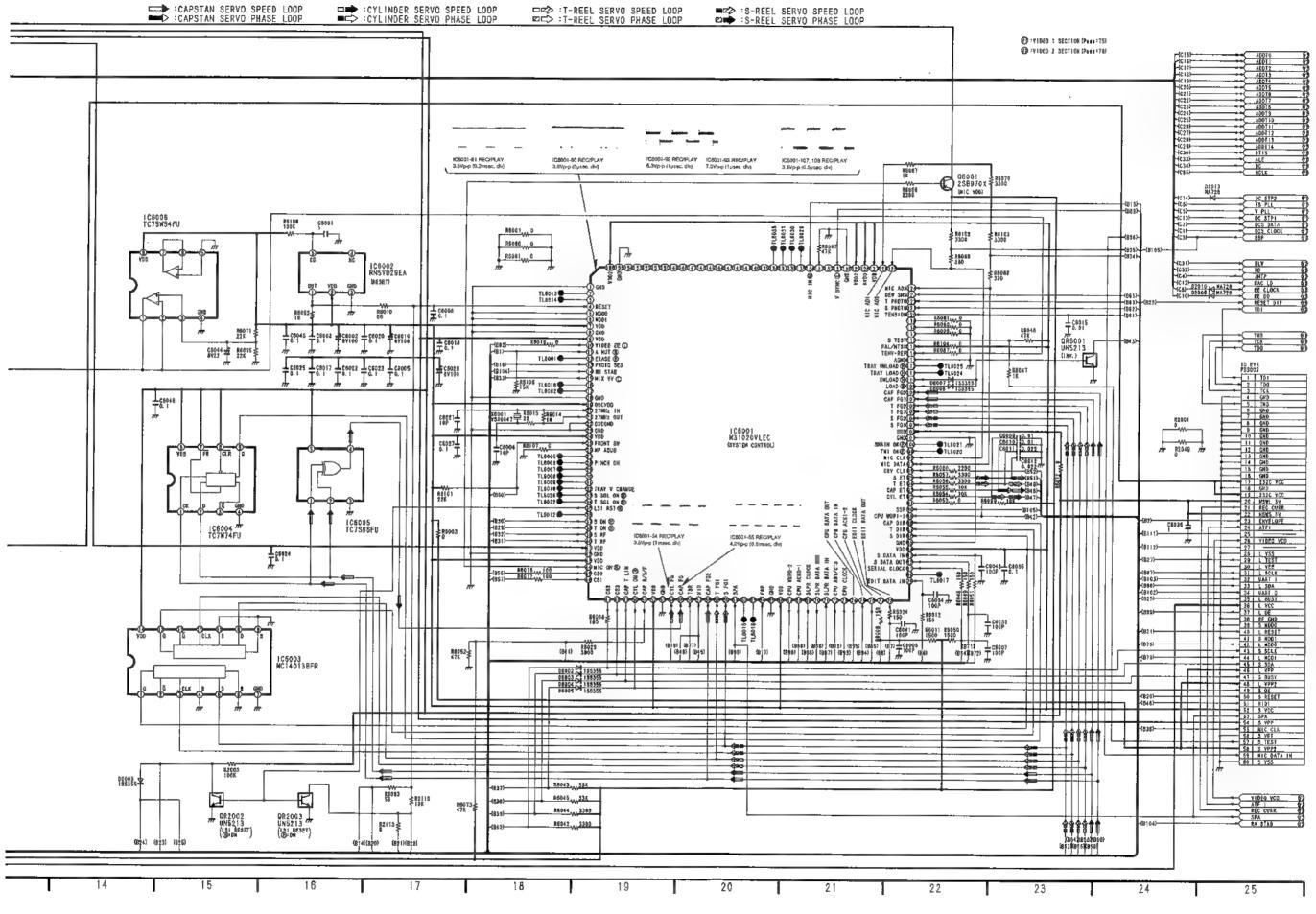
1 DCLCH 1 AD converter, not used 53 OSD ⊕ CSD Character displayed 2 DCRCH 1 AD converter, not used 3 JOG2 1 Jog dial 2 input 54 AV1 PB ⊕ O Pin8 of I/O control − PB I/O control to switch il/C bas f 5 VS − GND OSD character displayed CSD character displayed	EXPL	1/0		SIG NA	PIN. NO.	EXPLANATION	1/0	SIGNAL NAME	PIN. NO.
3 JOG2	•	α	9	os	53				
4			RÆ	AV/1	54				
6				7111			_		
6			3 (F)	PRO	55			Vss	
7	.: IIC bus is not or	_					1		_
8	O control: The se				\neg				
9 IIC SCLO O IIC clock line to CTX IC	/A/VB:LL:tuner V								\rightarrow
Normal Audio Input select	/A/VB:LH:AV2 V	0	3	\	56		-		\rightarrow
11 COMB ⊕ O Comb filter ON ⊕, OFF ⊕ 57 VA O Same as Pin-56 12 SAT IR O Infrared code for SAT receivers 58 A0 O A0 address line 13 SHUTTLE3 I Shuttle input 3 60 A2 O A2 address line 14 SHUTTLE3 I Shuttle input 2 61 A3 O A3 address line 15 SHUTTLE1 I Shuttle input 2 61 A3 O A3 address line 16 SHUTTLE1 I Shuttle linput 1 62 A4 O A4 address line 17 LSN O Timer bus listen line 63 A5 O A5 address line 18 TLK I Timer bus talk line 64 A6 O A6 address line 19 SCL0 (spare) O NC 66 A7 O A7 address line 20 SDA0 (spare) O NC 66 A7 O A7 address line 21 RESET ⊕ O Reset signal for Compact Text 67 Vcc I SV 22 CLK I Timer bus clock line 69 A9 O A8 address line 23 B/W ⊕ C I SW SHOTON menu 71 A11 O A11 address line 24 Vss — GND 72 A12 O A12 address line 25 Vcc I SV O A15 address line 71 A11 O A11 address line 26 A16 O A16 address line 72 A12 O A12 address line 27 A17 O A17 address line 75 A15 O A16 address line 28 A18 O A18 address line 74 A14 O A14 address line 29 — I Pin is active for 4M EPROM 77 Vcc I SV 30 — O NC (used for ROM Monitor input) 78 //RST I Reset input (LOW level- 31 — O NC (used for ROM Monitor input) 79 //RSTOUT O for battery back up circum 31 — O NC (used for ROM Monitor input) 79 //RSTOUT O Compact for SRAM) 35 //READY I Ready input, not used 10 C FROM monitor input) 79 //RSTOUT O Compact for SRAM 139 Vcc I SV 30 — C Address enable pin, connected to GND 31 O A15 address lene 81 (IC SDA1 O IIC bus data line 1 (excellent) 10 D1 data line 88 IIC SDA1 O IIC bus data line 1 (excellent) 10 D1 data line 90 P50 IVI O Project 50 output 44 D4 D4 D4 data line 91 YC/CVBS I SVIDEO © INPUT D4 D4 data line 90 P50 IVI O Project 50 output 44 D4 D4 D4 data line 91 YC/CVBS I SVIDEO © INPUT D4 D4 data line 90 AV2 output selector E	Normal Audio Inpu				1				
12 SAT IR O Infrared code for SAT receivers 58 A0 O A0 address line 13 SHUTTLE4 I Shuttle input 4 59 A1 O A1 address line 14 SHUTTLE3 I Shuttle input 2 61 A3 O A2 address line 15 SHUTTLE2 I Shuttle input 2 61 A3 O A3 address line 16 SHUTTLE1 I Shuttle input 1 62 A4 O A4 address line 17 LSN O Timer bus laik line 64 A6 O A6 address line 18 TLK I Timer bus laik line 64 A6 O A6 address line 19 SCL0 (spare) O NC 65 A7 O A7 address line 19 SCL0 (spare) O NC 66 Vss — GND GND Conormal, 1–Reset) 68 A8 O A8 address line 22 CLK I Timer bus clock line 69 A9 O A8 address line A8 O A8 address line A9 O A10 address line A11 address line A12 O A12 address line A13 A14 address line A14 A1	Same as Pin56	0		1	57	Comb filter ON (H), OFF (L)			
13	40 address line	0	5	1	58				
14 SHUTTLE3	11 address line	0	1		59	Shuttle input 4			13
15 SHUTTLE2 I Shuttle input 2 61 A3 O A3 address line	A2 address line	0	2	1	60	Shuttle input 3	ı	SHUTTLE3	-
16	A3 address line	0	3	-	61	Shuttle input 2	ı	SHUTTLE2	
TLK	44 address line	0	1	- 1	62	Shuttle input 1	ı	SHUTTLE1	
19 SCL0 (spare) O NC NC 65 A7 O A7 address line	A5 address line	0	5	1	63	Timer bus listen line	0	LSN	-
20 SDA0 (spare)	46 address line	0	3	1	64	Timer bus talk line		TŁK	18
20 SDA0 (spare) O NC Reset signal for Compact Text 67 Voc 1 5V	A7 address line	0	7	-	65	NC	0	SCL0 (spare)	
RESET⊕ O Reset signal for Compact Text (0=normal, 1-Reset) 68 A8 O A8 address line	GND .	-	s	٧	66	NC	0		
22 CLK Timer bus clock line 69 A9 O A9 address line	5V		c	V	67	Reset signal for Compact Text			
B/W	A8 address line	0	3	. /	68	(0=normal, 1=Reset)	0	RESET®	21
23 B/W ⊕ O L and High Impedance; L-B/W selected in FUNCTION menu 71	49 address line	0	9	/	69		ı	CLK	22
23 B/W	A10 address line	0	\rightarrow		70	L and High Impedance; L-B/W selected			
25 Vcc	A11 address line	0	1	Α			0	B/W (L)	23
25 Vcc	A12 address line	0	2	Α	72	GND	_	Vss	24
26 A16	A13 address line	0	3	Α		5V	1		
27 A17 O A17 address line 75 A15 O A15 address line 28 A18 O A18 address line 76 Vss — GND 29 — I Pin is active for 4M EPROM 77 Vcc I 5V 30 — O NC (used for ROM Monitor input) 78 /RST I Reset Input {LOW level-bed for FOM Monitor input} 31 — O NC (used for ROM Monitor input) 79 /RSTOUT O for battery back up circured 32 S/M © O Croma Mix for SECAM/MESECAM box 80 /NMI I Non maskable interrupt, 33 /RD O External memory read strobe (for EPROM enable of EPROM and SRAM) 81 /CE O Chip enable for external Cu-EPROM enabled) 34 /WR O External memory write strobe (for SRAM) 82 /Y O Chip select for SRAM 35 /READY I Ready input, not used 83 FSCREEN ⊕ O Fullscreen high signal, (input) f	A14 address line	0	4	A		A16 address line	0		
28	A15 address line	0	5	A	75	A17 address line	_		$\overline{}$
Pin is active for 4M EPROM 77	GND	-1	s	V	76	A18 address line			_
30	5V	T	x	V	77	Pin is active for 4M EPROM			-
31	Reset Input (LOW	T	ST T	/F	78	NC (used for ROM Monitor input)	0		
32 S/M	or battery back up	0	OUT	/RS	79	NC (used for ROM Monitor input)	_	_	
33	Non maskable inte	1	VII.	/١	80	Croma Mix for SECAM/MESECAM box	0	S/M ①	
Section Sec	Chip enable for ex	$\overline{}$	_	T ,		External memory read strobe (for	_	/DD	
35	(0=EPROM enabl	0	-	"	81		0	/RD	33
35		0	7		82	External memory write strobe (for SRAM)	0	/WR	34
36	Fullscreen high si	$\overline{}$	-EN 43			Ready input, not used	1	/READY	-
37	fullscreen, 1=OSE	١٠	EN (I)	FSCH	83	Address latch enable output, not used	0		
38 Vss	AV2 output select	0	UT A	AV2	84	External access enable pin, connected		47.4	
38 Vss — GND (U=force B/W boxes, 1=6) 39 Vcc I 5V 86 IIC SDA1 O IIC bus data line 1 (excelled) 40 D0 I D0 data line 87 IIC SCL1 O IIC bus clock line 1 41 D1 I D1 data line 88 IIC SDA2 O IIC bus clock line 2 (for large) 42 D2 I D2 data line 89 P50 IN I Project50 input 43 D3 I D3 data line 90 P50 OUT O Project 50 output 44 D4 I D4 data line 91 YC/CVBS I S VIDEO ① INPUT 45 D5 I D5 data line 92 AV2 OUT B O AV2 output selector B	force B/W OSD be	$\overline{}$	- N	DIALE	2-	to GND	-	/EA	37
40 D0 I D0 data line 87 IIC SCL1 O IIC bus clock line 1 41 D1 I D1 data line 88 IIC SDA2 O IIC bus clock line 2 (for large) 42 D2 I D2 data line 89 P50 IN I Project50 input 43 D3 I D3 data line 90 P50 OUT O Project 50 output 44 D4 I D4 data line 91 YC/CVBS I S VIDEO ① INPUT 45 D5 I D5 data line 92 AV2 OUT B O AV2 output selector B	(0=force B/W box	O	JX (L)	BAAE	85	GND	_	Vss	38
1	IIC bus data line 1	0	DA1	IIC	88	5V	T	Vcc	39
42 D2 I D2 data line 89 P50 IN I Project50 input 43 D3 I D3 data line 90 P50 OUT O Project 50 output 44 D4 I D4 data line 91 YC/CVBS I S VIDEO ① INPUT 45 D5 I D5 data line 92 AV2 OUT B O AV2 output selector B	IC bus clock line	0	CL1	IIC	87	D0 data line	1	D0	40
42 D2 I D2 data line 89 P50 IN I Project50 input 43 D3 I D3 data line 90 P50 OUT O Project 50 output 44 D4 I D4 data line 91 YC/CVBS I S VIDEO © INPUT 45 D5 I D5 data line 92 AV2 OUT B O AV2 output selector B	IIC bus clock line	0			88	D1 data line	1	****	-
43 D3 I D3 data line 90 P50 OUT O Project 50 output 44 D4 I D4 data line 91 YC/CVBS I S VIDEO Û INPUT 45 D5 I D5 data line 92 AV2 OUT B O AV2 output selector B	Project50 input	Τ.		+	89	D2 data line	1	D2	
44 D4 I D4 data line 91 YC/CVB\$ I S VIDEO ① INPUT 45 D5 I D5 data line 92 AV2 OUT B O AV2 output selector B	Project 50 output	0	OUT	P50	90	D3 data line	T		
45 D5 I D5 data line 92 AV2 OUT B O AV2 output selector B	S VIDEO (L) INPL	l		+	91	D4 data line	I	D4	
	AV2 output select	0			92	D5 data line	I	D5	
46 D6 D6 data line 93 JOG1 Jog dial 1 input	Jog dial 1 input	I		_	93	D6 data line	1	D6	-
47 D7 I D7 data line Chip select signal for tin	Chip select signal					D7 data line	-		-
48 Vss — GND 94 CSTBUS I ucon selected, 0=FIP se	ucon selected, 0=	I	BU3	US] 94	GND	-		
49 Vcc 1 5V 95 — O NC (used for ROM Mon	NC (used for RO)	0	_	1 -	95	5V	1	Vcc	-
I/O control: The selection of SAT tuner 96 TV (H) O TV High: for I/O logic		0	\oplus	T		I/O control: The selection of SAT tuner			
50 SAT (9 O or AV3. H: SAT tuner L: AV3 In 97 VAREF I Reference voltage for A/D or AV3.	Reference voltage f	1	REF	VA	97	or AV3. H: SAT tuner L: AV3 In	0	SAT (H)	50
This logic is valid, if AV3 is selected by VAVB 98 VAGND — GND for A/D converter,		_		_		This logic is valid, if AV3 is selected by VA/VB			
Write enable for EEPROM. (1=READ 99 P50 in I Reserved for Project50		Ι			-		\vdash		
51 CS EE O only 0-Write enabled) PB (f) signal of AV2 is in				1			0	CS EE	51
52 RGB OFF (B) O I/O control 100 CPB (H) I logic will be used for I/O	logic will be used	I	5 (H)	CF	1 100		0	RGB OFF (H)	52

3-18. HEAD AMP SCHEMATIC DIAGRAM









IC2001(M31020VLED): LSI MICON

PIN. NO.	SIGNAL NAME	1/0	EXPLANATION	PIN. NO.	SIGNAL NAME	1/0	EXPLANATION
1	VSS	—		60	CYL PG	- 1	Cylinder PG
2	HLDA	0	Ext-Bus Hold Acknowlede/BST TCK (CLK)	61	SPA	- 1	SPA
3	HOLD	ī	Ext-Bus Hold Request	62	AFRP		AFRP
4	RESET	- 1	Reset	63	MÇVS	I_	MCVS
5	MOD0	I	Single Chip Mode = Vss Vss	64	FRP	I	Frame reference pulse
6	MOD1		Memory Extend Mode = Vss Vcc	65	VSS	_	
7	VCC		, , , , , , , , , , , , , , , , , , , ,	66	VCC	_	
8	VSS			67	NC	0	_
9	VCC	_		68	COMIRST	0	RS232C RESET
				69	COM CLK	Ť	RS232C CLK IN
10	NC I	<u> </u>		70	COM DATA OUT	0	RS232C SERIAL-DATA OUT
11	NC	0		71	COM DATA IN	-	RS232C SERIAL-DATA IN
12	NC	0		_		l t	from SYSCON ACK
13	NC	0		72	RDY CTS	-	
14	NC	0		73	CPU CLK	0	to SYSCON CLK
15	NC	0		74	CPU DATA OUT	0	to SYSCON DATA
16	L TEST		EVR TEST MODE (L)	75	CPU DATA IN	<u> </u>	from SYSCON DATA
17	SYNC OFF	0	L: Sync Gate Off H; Sync Gate On	76	NC _	0	<u> </u>
18	VSS	_		77	YC CLOCK	0	YC MICON Serial Clook
19	OSC VCC	_		78	LYCDO	0	YC MICON Data out
20	XIN		27MHz	79	L YC DI	T	YC MICON Data in
21	X OUT	0	27MHz	80	NC	0	_
22	OSC VSS		27 1911 12	81	DSC CLK	0	CAS & DVIO Serial Clock
				82	DSC D0	0	CAS & DVIO Serial Data Out
23	VSS				DSC D1	Ť	CAS & DVIO Serial Data In
24	VCC			83			CAS & DVIC Serial Data III
25	A MUT	0	AUDIO MUTE	84	VCC		
26	PG GATE ON®	0	PG GATE Control	85	vss	_	
27	NC	0		86	SSP		Sector Start Pulse
28	NC	0	<u> </u>	87	NC	0	
29	SYS VIDEO EE	ŀ	SYSCON EE/VV	88	DIF INT	- 1	Digital Interface IF
30	PG RESET®	0	PG RESET	89	CPU WUPI 2	0	
31	VIDEO EE©	0	I/O Pack EE/VV Select	90	NC	0	_
32	NC	0	_	91	NMI	1	Pull-up
33	EEMUTE	0	EE MUTE	92	NC	0	_
34	COMRDY	0	232C MICON RDY	93	NC	0	_
35	YCCS	0	YC MICON CS	94	V PLL	0	Video PLL
36		0	18 10011 00	95	FSPLL	0	FS PLL (ATF ERR for Linear arrengeme
	CPU ACK 0-2		O7NUL From Polost	96	NC3(SPEED CTL)	1	CYL PG Amp Control (FF/REW 100 Times or mo
37	CTL 27M	0	27MHz Freq. Select			-	REC V Countermeasure
38	NC	0		97	NC2(VSYNC)		Spare Spare
39	NC NC	0		98	NC1	0	
40	NC	0		99	EE CLK	0	EEprom & DAC Clock
41	VCC			100	EE DI	l.	EEprom & DAC Data In
42	VSS	_		101	VSS		
43	VCC	_		102	VCC	_	
44	CPU ACKO-1	1	from SYSCON ACK	103	EE DO	0	EEprom & DAC Data Out
45	CPU WUPO-1	0	to SYSCON REQ	104	EE CS	0_	EEprom Chip Select
46	RST LSI	0	DVIO, CAS, EDA Reset	105	GA STP	0.	L: Active H: Not Active
47	L SCKL	Ī	for FLASH CLK	106	DAC LD	0	DAC Load
48	L SDA	i	for FLASH DATA IN	107	DCS STP1	0	DVIO Serial Strobe Pulse
49	RST DIF	0	DIF LSI Reset	108	DCS STP2	0	CAS Serial Strobe Pulse
	-	-	for FLASH WRITE 0E	109	NC NC	0	
50	L 0E	 	INTERIOR WITHER	110	NC	Ö	_
51	NC VOC	0	<u> </u>	111	NC NC	ŏ	
52	VCC	_		-			
53	VSS			112	NC NC	0	-
54	NC	0		113	AVSS	<u> </u>	0
55	NC	0		114	NC	I.	Connect to GND (0Ω)
56	TSR	l i	Track Start Refference	115	NC		Connect to GND (0Ω)
57	HID	ï	HSW	116	NC	1	Connect to GND (0Ω)
58	NC	0	_	117	NC		Connect to GND (0Ω)
OD.				4	NC		Connect to GND (0Ω)

							· .
PIN. NO.	SIGNAL NAME	1/0	EXPLANATION	PIN. NO.	SIGNAL NAME	1/0	EXPLANATION
119	NC	1	Connect to GND (0Ω)	138	BHW	0	_
120	NC	Π	Connect to GND (0Ω)	139	DT15	I/O	EXT-Memory Address/Data Bus
121	NC	1	Connect to GND (0Ω)	140	ADDT14	I/O	EXT-Memory Address/Data Bus
122	NC	!	Connect to GND (0Ω)	141	ADDT13	1/0	EXT-Memory Address/Data Bus
123	NC	1	Connect to GND (0Ω)	142	ADDT12	1/0	EXT-Memory Address/Data Bus
124	NC	I	Connect to GND (0Ω)	143	ADDT11	1/0	EXT-Memory Address/Data Bus
125	NC	1	Connect to GND (0Ω)	144	ADDT10	1/0	EXT-Memory Address/Data Bus
126	NC	ı	Connect to GND (0Ω)	145	ADDT9	I/O	EXT-Memory Address/Data Bus
127	AVREF			146	ADDT8	1/0	EXT-Memory Address/Data Bus
128	AVCC	_		147	ADDT7	1/0	EXT-Memory Address/Data Bus
129	VCC2			148	ADDT6	I/O	EXT-Memory Address/Data Bus
130	VSS	_		149	ADDT5	1/0	EXT-Memory Address/Data Bus
131		0		150	ADDT4	1/0	EXT-Memory Address/Data Bus
132	BCLK	0		151	ADDT3	1/0	EXT-Memory Address/Data Bus
133	D0	-	Data Complete for Ext-Momory mode	152	ADDT2	1/0	EXT-Memory Address/Data Bus
134	R/W	0	-	153	ADDT1	1/0	EXT-Memory Address/Data Bus
135	ALE	0	Address Latch Enable for Ext-Memory mode	154	ADDT0	1/0	EXT-Memory Address/Data Bus
136	RD	0	Read Strobe for Ext-Memory mode	155	VSS	<u> </u>	
137	BLW	0	Byte Low Write for Ext-Memory mode	156	VCC2	_	<u> </u>

IC2005 (D784037GK508): RS-232C INTERFACE MICROCOMPUTER

PIN. NO.	SIGNAL NAME	I/O	EXPLANATION	PIN. NO.	SIGNAL NAME	I/O	EXPLANATION
	END COR	<u> </u>	Serial Clock Signal for SYNC Serial	46	TEST		GND
1	EVR SCK	0:	Communication (To Camera Micom)	47	CGCS	0	CG CS
	5.15.656		Serial Data Signal for SYNC Serial	48	CGPCL	0	CG PCL
2	EVR SBO	0	Communication (To Camera Micom)	49	P12		(N.C.)
			SYNC Serial Communication Enable	50	UARTI		RS-232C Data
5	VTR T	0	Signal for Camera Micom	51	UARTO	0	RS-232C Data
7	RESET	T	Reset Signal	52	PCOE	0	RS-232C Driver Output Enable
	VDD		VDD (+3V)	53	BACK RST	l —	(N.C.)
9	X2	0	Oscillator (14.7456MHz)	54	TEST0		VTR Test Signal
10	X1	L	Oscillator (14.7456MHz)	1 54	IESIU	<u>'</u>	(H: Normal, L: Test Mode)
11	GND	_	GND	55	VDD	_	VDD (+3V)
12	STITLEL	0	Sound Effect Control Signal	56	PC RST		Reset Signal Detect (AD input)
13	LR CONT	0	LCD Driver Control (L/R Invert)	60	STBY	П	RS-232C Cable Connect Confirm
14	UD CONT	0	LCD Driver Control (U/D Invert)	61	BACK DET	—	GND
15	LCD P SAVE	_	(N.C.)	64	AVDD	Γ-	Voltage for AD Converter (+3V)
17	INSEL		(N.C.)	7.5	ANDEE4		Refference Voltage for AD Converter
18	TALLY	0	TALLY LED Control	65	AVREF1	-	(+3V)
19	ALINEH		(N.C.)	66	AVSS	<u> </u>	GND for AD Converter
20	T PH AD2	0	Take µ	67	ANOO	-	(N.C.)
21	T PH AD1	0	Take µ	68	ANO1	I -	(N.C.)
22	S PH AD2	0	Supply Tape Sensor	69	AVREF2	_	GND
23	S PH AD1	0	Supply Tape Sensor	70	AVREF3		GND
24	EYE P SAVE		(N.C.)	71	P20	T —	GND
25	LCD WIDE	0	LCD Driver Wide Select	72	CAMT	1	Camera Service/232C Micom Select
26	SPK ON H	0	Speaker ON] ''	CAMIT		Signal (H: 232C, L: Camera Service)
27	WIDNSW H	0	Noise Silent	73	FRP		Frame SYNC Signal
28	VTRLED	0	VTR Mode LED	76	SCK	1	Serial Clock Signal for SYNC Serial
29	CAMILED	0	CAMERA Mode LED] ′°	3010		Communication (To VTR Micom)
30	VCO H	0	VCO Test Mode (H)	77	COM RDY		SYNC Serial Communication Enable
31	LCD BL CONT	0	LCD Back Light Control Signal	1 ′′	00///101	<u>L'</u>	Signal for VTR Micom
32	BL BRIGHT H	0	Back Light Bright Control Signal	78	EVR SDI		Serial Data Input for SYNC Serial
33	EVF BL CONT	0	EVF Back Light Control Signal	,,,	EVITODI	<u> </u>	Communication (To Camera Micom)
34	EVF ON	0	EVF ON	79	SDI		Serial Data for SYNC Serial
35	LCD ON	0	LCD ON	1 (3	301	Τ'	Communication (To VTR Micom)
44	CLKOUT	<u> </u>	(N.C.)	80	SDO	0	Serial Data for SYNC Serial
45	GND	_	GND	- 00	350		Communication (To VTR Micom)

IC6001 (M31020VLEC): SYSTEM CONTROL MICROPROCESSOR

PIN. NO.	SIGNAL NAMÉ	1/0	EXPLANATION	PIN. NO.	SIGNAL NAME	I/O	EXPLANATION
1	GND	_		55	CAP.FG	I	CAPSTAN 2 PHASE FG
2	_	0	Low FIX	56	TSR	I	HID PHASE REF. SIGNAL
3		0	Low FIX	57	HID	- 1	HEAD SELECT SW
4	RESET	ı	RESET INPUT	58	CAP.FG2	1	CAPSTAN FG 2
5	MOD0	Ī	SIGNAL CHIP MODE SELECT	59	T.FG1	ı	T REEL FG 1
6	MOD1	ı	SIGNAL CHIP MODE SELECT	60	S.FG1	1	S REEL FG 1
7	VDD		VDD	61	SPA	ī	
8	GND		GND	62		0	FIX Low OUTPUT
9	VDD		VDD	63	_	0	FIX Low OUTPUT
10	VIDEO.EE©	0	EE/VV SELECT OUTPUT (E.E.; L)	64	FRP	Ť	FRAME REF. SIGNAL
11	A.MUT(H)	0	AUDIO MUTE (B)	65	GND	÷	GND
12	ERASE(f)	0	ERASE ON @/OFF	66	VDD	-	POWER
13		0	TAPE SENSOR LED (ON: L)	- 00	, VDD		SYS CTL μ-PROCESSOR ↔ LSI
	PHOTO.SNS		S TAB OUTPUT	67	(CPU WUP0-2)	0	·
14	RASTAB	0					(OMMUNICATION)
15	MIX.VV©	0	MIX OUTPUT (VV MODE): L	68	CPU ACK0-1	0	SYS CTL µ-PROCESSOR ↔ LSI
16	EE.MONI	0	EE MONITOR OUT: L				(OMMUNICATION)
17	_	0	FIX LOW OUTPUT	69	SLPR.CLOCK	0	SERIAL/PARALLEL
18	GND		GND				CONVERSION EXPANSION IC
19	VDD	_	OSC POWER	70	SLPR. DATA.	0	SERIAL/PARALLEL
20	27MHz. IN		27MHz INPUT		OUT		CONVERSION EXPANSION IC
21	27MHz. OUT	0	27MHz OUTPUT	71	SLPR. DATA.	1	SERIAL/PARALLEL
22	GND	_	OSC GND		IN		CONVERSION EXPANSION IC
23	GND		GND	72	CPU RDY/CTS	0	SYS CTL μ-PROCESSOR ↔ LSI
24	VDD	_	POWER		OF 0 HD 17010		COMMUNICATION
25	FRONT SW	1	FRONT DOOR OPEN DETECT INPUT	73	CPU CLOCK	1	SYS CTL µ-PROCESSOR ↔ LSI
20	1110111 311	'	(OPEN: L, CLOSE/NO DOOR: H)		OFU CLOCK	'	SERIAL SLAVE CLOCK
26	MP ADUB	O	FIX Low OUTPUT	74	CPU DATA OUT	0	SYS CTL µ-PROCESSOR ↔ LSI
27	_	0	FIX Low OUTPUT	′4	CPU DATA OUT	0	SERIAL DATA OUTPUT
28	PINCH ON®	0	PINCH SOLENOID CONTROL OUTPUT	7,-	00110474 (51		SYS CTL μ-PROCESSOR ↔ LSI
29	_	0	FIX Low OUTPUT	75	CPU DATA IN	I	SERIAL DATA INPUT
30	_	0	FIX Low OUTPUT	70	(2.21.1.21.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2		SYS CTL μ-PROCESSOR ↔ LSI
31	_	0	FIX Low OUTPUT	76	(CPU ACKI-2)	0	COMMUNICATION
32	TRAY VCHANGE	ō	TRAY MOTOR VOLTAGE CONTROL OUTPUT				SYS CTL µ-PROCESSOR ↔ EDIT
33	S SOL ON(H)	0	S REEL SOLENOID CONTROL OUTPUT	77	EDIT.CLOCK	0	MICON SERIAL MASTER CLOCK
34	T SOL ON®	0	T REEL SOLENOID CONTROL OUTPUT		EDIT. DATA.		SYS CTL μ-PROCESSOR ↔ EDIT
35	PINE RST(H)	0	RESET High OUTPUT	78	OUT	0	MICON SERIAL DATA OUTPUT
36	LIME HOLD	ő	FIX LOW OUTPUT	 	EDIT. DATA.		SYS CTL μ-PROCESSOR ↔ EDIT
37	S.ON®	0	S REEL ON/OFF CONTROL	79	IN	1	MIÇON SERIAL DATA INPUT
38	T.ON(f)	0	T REEL ON/OFF CONTROL	80	114	0	FIX Low OUTPUT
39		0	S REEL ROTATION DIRECTION CONTROL	- 00			TIMER ←→ SYS CTL μ-PROCESSOR
	S.RF		T REEL ROTATION DIRECTION CONTROL	81	SIRIAL, CLOCK	0	MASTER CLOCK
40	T.RF	0	POWER	<u> </u>			TIMER ↔ SYS CTL μ-PROCESSOR
41	VDD			82	S. DATA. OUT	0	SIRIAL DATA OUTPUT
42	GND		GND	<u> </u>			
43	VDD	_	POWER	83	S. ĐATA. IN	1	TIMER ← SYS CTL µ-PROCESSOR
44	MIC.ON⊕	0	POWER FOR MIC	2.			SIRIAL DATA INPUT
45	CS0	0	SERIAL/PARALLEL CONVERSION IC CHIP	84	VDD		POWER
			SELECT SIGNAL	85	GND		GND
46	CS1	0	SERIAL/PARALLEL CONVERSION IC CHIP	86	S. DIR	1	S REEL ROTATION DIRECTION DET.
0	001		SELECT SIGNAL	87	T. DIR		T REEL ROTATION DIRECTION DET.
47	CS2	_	SERIAL/PARALLEL CONVERSION IC CHIP	88	CAP, DIR	ı	CAPSTAN ROTATION DIRECTION DET.
47	U32	0	SELECT SIGNAL	89	CPU WUPI-1	0	SYS CTL μ-PROCESSOR ↔ LSI
40	000	_	SERIAL/PARALLEL CONVERSION IC CHIP	05	CFD WOFF-1		PROCESSOR COMMUNICATION
48	CS3	0	SELECT SIGNAL	90	SSP	ı	SECTOR START PULSE INPUT
49	CAP.T.LIM	0	CAP TORQUE LIMIT	91		I	
50	CYL.ON(L)	0	CYL DRIVING: Low	92	CYL. ET	0	CYLINDER TORQUE OUTPUT (12bit PWM)
51	CAP.R/S/F	0	CAPSTAN ROTATION DIRECTION CONTROL	93	CAP, ET	0	CAPSTAN TORQUE OUTPUT (12bit PWM)
52	VDD	_	POWER	94	T. ET	0	T REEL TORQUE OUTPUT (12bit PWM)
53	GND	_	GND	95	S. ET	0	S REEL TORQUE OUTPUT (14bit PWM)
54	CYL,FG	ı	CYLINDER FG	96	DRV. GLK	0	CYLINDER DRIVER CLOCK
V-1					DITTI VEIL		

PIN. NO.	SiGNAL NAME	1/0	EXPLANATION	PIN. NO.	SIGNAL NAME	I/O	EXPLANATION
97	MIC. DATA	1/0	MIC SERIAL DATA	127	VDD		REF. POWER FOR ANALOG
98	MIC, CLK	0	MIC SERIAL CLOCK	128	VDD		ANALOG POWER
99	TM1 OK®	0	TIMER SERIAL CLOCK (500µ sec.)	129	VDD		POWER FOR BUS
100	SMAIN OK®	0	SYS, CTL MAIN ROUTIN (20msec.)	130	GND	_	GND
101	GND		GND	131	VSYNO(1)		V SYNC INPUT (SYNC EXIST: L)
102	VDD	_	POWER	132		0	
103	S. FG1	ı	S REEL FG 1	133	_	Ì	GND (VIA 47k Resistor)
104	S. FG2	1	S REEL FG 2	134	MIC IN®		MIC INPUT (MIC IN; H)
105	T. FG1]	TREEL FG 1	135		0	FIX Low OUTPUT
106	T. FG2	1	T REEL FG 2	136		0	FIX Low OUTPUT
107	CAP. FG1	ı	CAPSTAN FG 1	137	_	Ö	FIX Low OUTPUT
108	CAP. FG2	- 1	CAPSTAN FG 2	138	<u> </u>	0	FIX Low OUTPUT
109	LOAD®	0	LOADING MOTOR FORWARD OUTPUT	139		0	
110	UNLOAD⊕	0	LOADING MOTOR REVERSE OUTPUT	140	<u> </u>	0	FIX Low OUTPUT
111	TRAY LOAD(H)	0	TRAY MOTOR FORWARD OUTPUT	141	_	0	FIX Low OUTPUT
112	TRAY UNLD®	0	TRAY MOTOR REVERSE OUTPUT	142		0	FIX Low OUTPUT
113	GND		GND	143	—	0	FIX Low OUTPUT
114	TEN V REF	ı	INPUT	144		0	FIX Low OUTPUT
115	NTSC(L)	Ι	NTSC = LOW/PAL = HIGH	145		0	FIX Low OUTPUT
116	S. TEST	ı	EVR ADJ INPUT	146		0	FIX Low OUTPUT
117	_	_ I	VIA RESISTOR GND	147		0	FIX Low OUTPUT
118		- 1	VIA RESISTOR GND	148		0	FIX Low OUTPUT
119	_	Ī	VIA RESISTOR GND	149		0	FIX Low OUTPUT
120	TENSION	1	TAPE TENSION A/D INPUT	150	_	0	FIX Low OUTPUT
121	S. PHOTO	ı	S PHOTO SENSOR INPUT (BLACK TAPE: L)	151	<u> </u>	0	FIX Low OUTPUT
122	T. PHOTO	1	T PHOTO SENSOR INPUT (BLACK TAPE: L)	152		0	FIX Low OUTPUT
123	DEW. SNS	l	DEW SENSOR INPUT	153		0	FIX Low OUTPUT
124	MIC. AD3	I	A/D INPUT 3 FOR MIC	154		0	FIX Low OUTPUT
125	MIC. AD2	ı	A/D INPUT 2 FOR MIC	155	GND		GND
126	MIC, AD1	П	A/D INPUT1 FOR MIC	156	VDD 2		GND

3 - 70

LSI/SYSTEM CONTROL & SERVO ICs DC VOLTAGE CHART (Mini DV : SP MODE)

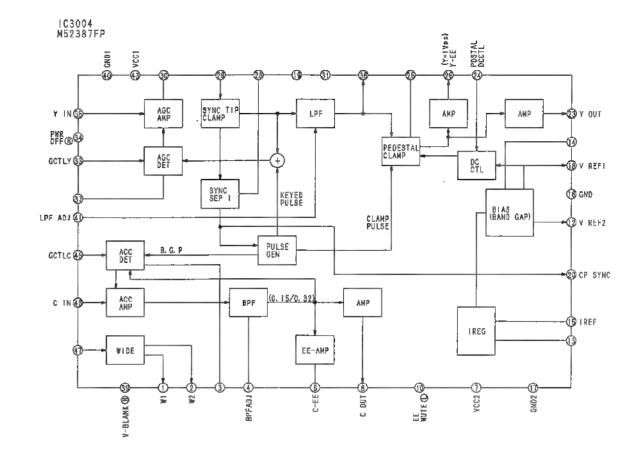
LSI/SY	> I ⊏ I		HIP	OL	k OE	RVU	IUS	DC 1	OLI	AGE	CO	tn:	(IMITE	IDV	: 5P	MOL	75)			
REF, NO.										IC2	001									
MODE	1	_ 2	3_	4	5	6	7	8	Ð	10	11	12	13	14	15	16	17	18	19	20
STOP	0	3.8	3.6	2.7	0	3.6	3.6	0	3.6	0	0	0	0	0	0	3.6	3.6	0	3.5	1.7
PLAY	0	3.6	3.6	2.7	0	3.6	3.6	0	3.6	0	0	0	0	0	0	3.6	0	0	3.6	1.7
REC		3.5	3.6	2.7	0	3.6	3.6	0	3.6	0		0	0	0	0	3.6	3.6	0	3.6	1,7
F.F		3.6	3.6	2.7	0	3.6	3.6	3.6	3.6	0	0	- E	0	0	0	3.6	3.6		3.6	1.7
REW	0	3.6	3.6	2.6	0	3.6	3.6	٥	3.6	0		0	0	0	٥	0	3.6	0	3.6	1,7
REF. NO.										IC2	001									
MODE	21	22	23	24		28	27	28	29	30	31	32	33	34	35	35	37	38	39	40
STOP	1.7	0	0	3.6	0	0	0	0	0	0	0	0	0	3.6	3.3	0	0	0	0	0
PLAY	1.8	1	0	3.5	0	0	0	0	3.6	0	3.6	0	0	3.6	3.3	0	3.6	0	0	ō
REC	1.7	0	0	3.6	0	0	0	0	0	0	0	0	0	3.6	3.3	0	0	0	0	0
F.F	1.8	0	۵	3.6	0	0	0	0	0	D	O.	0	۵	3.6	3.3	0	0	D	0	0
REW	1.8	0	0	3.5	0	3.6	0	0	0	0	Q	0	D	3.6	3.3	0	0	0	0	0
REF, NO.										IC2	001									
MODE	41	42	43	44	45	46	47	48	49		51	52		54	55	56	57	58	59	60
STOP	3.6	0	3.6	0		3.6	3.6	3.6	3.6	3.6	0	3,6	0			1.5	1.5	0	1.7	0.2
PLAY	3.6	0	3.6			3.6	3.6	3.6	3.6	3.6	0	3.6	0			1.5	1.5	0	1.7	0.2
REC	3.6	0	3.6		0	3.6	3.6	3.6	3.6	3.6	0	3.6	0	- 81	0	1.5	1.5	0	1.7	0.2
F.F	3.6	0	3.6	-		3.6	3.6	3.6	3.6	3.6		3.6	0	0	0	1.5	1.5	0	1,7	0.2
REW	3.6	0.7	3.6	0	0	3.6	3.6	3.6	3.6	3.6	0	3.6	0	0	0	1,5	1.5	0	1.6	0.2
REF. NO.										fC2	001		-							
MODE	61	62 -	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
STOP	0	1,5	1.5	1.5	0	3.6	0	3.6	3.5	3.3	0.1	3.6	3.6	3.6	1.8	0	3.6	3.5	2.8	0
PLAY	0	1.5	1.5	1.5	0	3.6	0	3.6	3.5	3.3	0.1	3.6	3.6	3.6	1.5	0	3.6	3.5	2.8	0
REC	0	1.5	1.5	1.5	0	3.6		3.6	3.5	3.3	0	3.6	3.6	3.6	1.8	0	3.6	3.5	2.8	0
F,F		1.5	1.5	1.5	0	3.6		3.5	3.5	3.3	0.1	3.6	3.6	3.6	1.8	0	3.6	3.5	2.8	0
REW		1.5	1.5	1.5		3.6	0	3.6	3.5	3.3	0.1	3.6	3.6	3.6	1.8	0	3.6	3.5	2.8	0.9
REF. NO.										IÇ2	001									
MODE	81	82	83	84	85	86	87		89		91	92	93	94	95	96	97	98	99	100
STOP	3.6	2.9	2.9	3.6	0	Ó	0	3.0		0	3.6	0	0	1.1	O.	1.0	5	3.6	3.6	1.6
PLAY	3.6	3.0	2.9	3.6	0	0	0	3.0	0	0	3.6	0	0	0	1.6	1.0	0	3.6	3.6	1.1
REC	3.6	3.2	2.9	3.6	-	0	0	3.0	0	0	3.6	0	0	1.1	0	0.9	0	3.6	3.6	1.8
F,F	3.6	3.1	2.9	3.5		0	0	3.0	D	0	3.6	0	0	1,1		1.1	1.0	3.6	3.6	1.8
REW	3.6	3.3	2.9	3.6		0	a	3.0	0	0	3.6		0	1.1	0	1.0	3.6	3.6	3.6	1.8
REF. NO.	<u> </u>									IC2	001									\neg
MODE	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
STOP		3.5	3.6	0	0	0	2.7	3.5	Ò	0	0	0	0	1.5	1.5	1.5	0	0	û	0
PLAY	0	3.6	3.6	0	0	0	2.7	3.4	0	0	-0	0	0	1.1	1.1	1.1	0	0	0	0
REC	0	3.6	3.6	0	0	0	2.7	3.4	0	0	0	0	0	1.7	1.8	1.7	0	0	0	0
F.F	0	3.6	3.5	0	0	0	2.7	3.5	0	0	0	0	0	1.8	1.8	1.8	0	O.	0	0
REW	0	3.6	3.6	0	0	0	2.7	3.4	0	0	0	0	0	1,4	1.4	1.5	0	0	0	0
REF. NO.					-					IĈ2	001									
MODE	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140
STOP	0	0	0	0	0	0	3.6	3.6	2.2	û	û	0.7	0	0	0	2.2	2.1	2.2	0.1	0
PLAY	0	0	0	0	0	0	3.6	3.5	2.2	0		0.7	0	D	0	2.1	2.2	2.2	0.1	0.1
REG	0	0	0	0	0	0	3.6	3.6	2.2	0	0	0.7	0		0	2.2	2.1	2.1	0.1	0.1
F,F	0	0	0	0	0	. 0	3.6	3.6	2.2	0	0	0.7	Ð	0	0	2.2	0		0.6	0
REW	0	0	0	0	0	0	3.6	3.6	3.6	0		0.7	0	0	ō	2.2	2.2	2.2	0.1	0
REF. NO.										IC2	001									
MODE	141	142	143	144	145	148	147	148	149	150	151	152	153	154	155	156				
STOP	0	0	0	0	0	0	0	0	D	0	0	0	0	0	0	2.2				
PLAY	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	2.2				
REC	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	2.2				
F.F	2.2	2.2	2.2	2.2	2.2	2.2	0	2.2	2.2	0	0	0	0	0	ō	2.2				\neg
REW	0.1		- 1	0.1	0.1	0.1	0.1	0	0.1	0.1	0		0	0	0	2.2				
REF. NO.										IC2	002									
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15 ,	16	17	18	19	20
STOP	9,5	2.4	3.2	0.7	1,0	-2.2	3.2	0	3.2	3.2	0	0	9.5	-9.5	3.2	3.2	-9.5	0.8	0	4.0
PLAY	9.5	2.5	3.3	-0.7	1.0	-2.2	3.3	٥	3.3	3.3	0	0	9.5	-9.5	3.3	3.3	-9.5	0.8	1	4.0
REG	9.5	2.5	3.3	-0.7	1.0	-2.2	3.3	0	3.3	3.3	0		9.5	-9.5	3.3	3.3	-9.5	0.8		4.0
F,F	9.5	2.5	3.3	-0.7	1.0	-2.2	3.3	0	3.3	3.3	0		9.5	-9.5	3.3	3.3	-9.5	0.8	0	4.0
REW	9.5	2.5	3.3	-0.7	1.0	-2.2	3.3	0	3.3	3.3	0	ī	9.5	-9.5	3.3	3.3	-9.5	0.8	0	4.0
REF. NO.	_									IC2	004									\neg
MODE	1	2	3	4	5	6	7	8												
STOP	i i	3.6	3.6	1.7	0	<u>.</u>	0.6	3.7		\vdash			\vdash	-						
PLAY		3.6	3,6	1.6	0	0	0.8	3.7			-							\neg		\neg
REC	-	3.6	3.6	1.7	0	0	0.8	3.6												\dashv
F.F	0	3.6	3.6	1.7	0	0	0.9	3.7			\dashv									\dashv
REW	1111	3.6	3.6	1.7	0		0.8	3.7	$\vdash \vdash$	\vdash	-		$\vdash \vdash$			\vdash		\vdash		
REW	-	20.0	5'5			- 4	0.0	9-7												

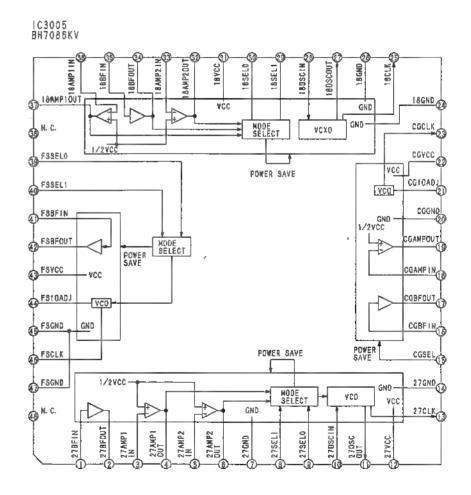
REF. NO,										IC2	005									
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	3.0	8.0	0	0	3.7	0	3.6	3.7	1.8	1.6	0	0		3.7	3.7	0	a	3.7	0	0
PLAY	3.0	0.8	ū	0	3.7	0	3.6	3.7	1.8	1,7	1	0	0	3.7	3.7	0	0	3.7	i	
REC	3.0	0.8	0	0	3.6	0	3.6	3.6	1.8	1,5	0	0	0	3.6	3.6	0	0	3.6	0	0
F.F	3.0	0.8	0	0.	3.7	0	3.6	3.7	1.8	1.5	D	ů,	0	3.7	3.7	0	0	3.7	0	0
								_		1.5	0	1		3.7	3.7	0	<u> </u>	3.7	0	ŏ
REW	3.0	8.0	0	ō	3.7	0	3.6	3.7	1.B			-		3.7	9.7		_	3.1	, v	
REF. NO.	-						A	- ^^		_	005									
MODE \	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
\$TOP :	0	-0	D	-0	0	3.7	٥	3.7	3.7	0	-	3.7	3.7	3.7	0	0	0	0	0	0
PLAY	0	0	0	0	0	3.7	0	3.7	3.7	0	0	3.7	3.7	3.7	0	Q	0	0	0	0
REC	0	0	0	0	0	3.6	0	3.6	3.6	0	0	3.6	3.6	3.6	0	0	0	0	0	0
F.F	0	0 :	0	0	0	3.7	0	3.7	3.7	0	0	3.7	3.7	3.6	0				0	0
REW	0	0	0	0	O	3.7	00	3.7	3.7	0	0	3.7	3.7	3.7	0	0	0	0	0	0
REF. NO.										IC2	005									
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	58	57	58	59	60
STOP	0	0	0	0	0	0	0	3.7	0	3.4	3.7	3.7	0	3.6	3.7	3.3	0	٥		2.1
PLAY	0.1	0	0	0	0	0	0	3.7	0	3.4	3.7	3.7		3.6	3.7	3.3	0	0.1	0	2.1
REC	0	0	0	0	0	0	0	3.6	0	3.4	3.6	3.6	0	3.6	3.6	3.3	0	0	0	2.1
F.F	0	0	0	0	0	0	0	3.7	0	3.4	3.7	3.7	0	3.6	3.7	3.3	0	0		2.1
REW	0	0	0	0	0	0	0	3.7	0	3.4	3.7	3.7	0	3.6	3.7	3.3	0	0	0	2.1
REF. NO.	Ť							417			005			,-	-47					
MODE	£1	62	63	84	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
STOP	0	0	0	3.7	3.7	0	0	0	0	0	0	0	1.5	0	0	3.5	3.6	0	3.3	0.1
PLAY	0	0	- 0	3.7	3.7	ō		0	0	0	<u>×</u>	0.1	1.5		0	3.5	3.6	0	3.3	0.1
	_				-				_	_				0	0		3.6	0	3.3	0.1
REC	0	0	0	3.6	3.6	0	0	0	0	0	0	0	1.5	_		3.5			_	
F,F	0	0		3.7	3.7	0	0	0	0	0	0	0	1.5	.0		3.5	3.6	0	3.3	0.1
REW	٥	0	0	3.7	3.7	0	0	0	0	0	0	Q.	1.5	0	0	3.5	3.6		3.3	0.1
REF, NO.	<u> </u>		-		-	1			_	IC2	006									-
MODE	1	2	3	4	5			-								\vdash		\vdash		
STOP	3.7	0	1.2	3.3	5.2									 				\vdash		
PLAY	3.7	. 0	1.2	3.3	5.1															ļ
REC	3.7	0	1.2	3.3	5,1												<u> </u>			
F,F	3.7	0	1.2	3.3	5.1															
REW	3.7	0	1.2	3,3	5.1			-			L						L		L,	<u> </u>
REF. NO.										IC6	001									
MÓDE \	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20
STOP		0		2.7	0		3.6	0	3.6	O.			0	3.6	3.6	3.6	Û	0	3.6	1.8
		-						0	3.6	3.6		N.	3.6	3.6	3.6	3.6		0	3.6	1.8
PLAY	i	0	0	2.7	0	0	3.6								200				u.u	
PLAY REC			0	2.7 2.6	0	0	3.6	0	3.6	0	1	3.6	3.6	0	3.6	3.6	0	Ī	3.6	1.8
		0	_			_			3.6 3.5	0	0	3.6	3.6	3.6	3.6	3.6	0			
REC	0	0	0	2.6	0		3.6	0											3.6	1.8
REC F.F	0	0	0	2.6 2.7	0	0	3.6 3.6	0	3.5	0	0	0	3.6	3.6	3.6	3.6	0		3.6 3.6	1.8
REC F.F REW	0	0	0	2.6 2.7	0	0	3.6 3.6	0	3.5	0	0	0	3.6	3.6	3.6	3.6	0		3.6 3.6	1.8
REC F.F REW REF. NO.	0 0	0 0 0	0	2.6 2.7 2.6	0	0	3.6 3.6 3.6	0	3.5 3.6	0 0 1C6	0 0 001	0	3.6 0	3.6 3.6	3.6 3.6	3.6 3.6	0	III 0	3.6 3.6 3.6	1.8 1.8 1.6
REC F.F REW REF. NO. MODE	0 0 0	0 0 0 0	0 0 0	2.6 2.7 2.6	0 0 0	0 0	3.6 3.6 3.6	0 0 0	3.5 3.6 29	0 0 1C6 30	0 0 001 31	0 0	3.6 0	3.6 3.6 34	3.6 3.6 35	3.6 3.6 36	0 0	0 3B	3.6 3.6 3.6 39	1.8 1.8 1.6
REC F,F REW REF, NO, MODE STOP	0 0 0 0	0 0 0 0 0	0 0 0	2.6 2.7 2.6 24 3.6	0 0 0 0	0 0 0	3.6 3.6 3.6 27	0 0 0	3.5 3.6 29	0 0 1C6 30	0 0 001 31 0	0 0 32 3.6	3.6 0 33 0	3.6 3.6 34 0	3.6 3.6 35 0	3.6 3.6 36 0	0 0 37 0	0 3B 0	3.6 3.6 3.6 3.6 3.6	1.8 1.8 1.6 40 0
REC F.F REW REF. NO. MODE STOP PLAY	0 0 0 0 21 1.8	0 0 0 0	0 0 0	2.6 2.7 2.6 24 3.6 3.6	0 0 0 0 25 0.1 0.1	0 0 0 26 0	3.6 3.6 3.6 27 0	0 0 0 28 0 3.6	3.6 3.6 29 0	0 0 1C6 30 0	0 0 001 31 0	0 0 32 3.6 3.6	3.6 0 33 0	3.6 3.6 34 0	3.6 3.6 35 0	3.6 3.6 36 0	0 0 37 0 3.6	3B 0 3.6	3.6 3.6 3.6 39 3.6 3.6	1.8 1.8 1.8 40 0
REC F.F REW REF. NO. MODE STOP PLAY REC	0 0 0 0 1.8 1.7	0 0 0 0 0	0 0 0 0	2.6 2.7 2.6 24 3.6 3.6 3.6	0 0 0 0 25 0.1 0.1	0 0 0 0 0 0	3.6 3.6 3.6 27 0	0 0 0 0 28 0 3.6 3.8	3.5 3.6 29 0 0	0 0 1C6 30 0 0	0 0 001 31 0 0	0 0 32 3.6 3.6 3.6	3.6 0 33 0 0	3.6 3.6 34 0 0	3.6 3.6 35 0	3.6 3.6 0 0	0 0 37 0 3.6 3.6	38 0 3.6 3.6	3.6 3.6 3.6 3.6 3.6 3.6 3.6	1.8 1.8 1.8 40 0 0
REC F.F REW REF. NO. MODE STOP PLAY REC F.F	21 1.8 1.7	0 0 0 0 0	0 0 0 0 23 0	2.6 2.7 2.6 24 3.6 3.6 3.6 3.6	0 0 0 0 25 0.1 0.1 0.1	26 0 0	3.6 3.6 3.6 27 0 0	0 0 0 0 28 0 3.6 3.6	3.6 3.6 29 0 0	0 0 1C6 30 0 0	0 0 001 31 0 0 0	0 0 32 3.6 3.6 3.6 3.6	3.6 0 33 0 0 0	3.6 3.6 34 0 0 0	3.6 3.6 35 0 0	3.6 3.6 0 0	0 0 37 0 3.6 3.6 3.6	3B 0 3.6 3.6 3.6	3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6	1.8 1.8 1.8 40 0 0
REC F.F REW REF. NO. MODE STOP PLAY REC F.F HEW	21 1.8 1.7	0 0 0 0 0	0 0 0 0 23 0	2.6 2.7 2.6 24 3.6 3.6 3.6 3.6	0 0 0 0 25 0.1 0.1 0.1	26 0 0	3.6 3.6 3.6 27 0 0	0 0 0 0 28 0 3.6 3.6	3.6 3.6 29 0 0	0 0 1C6 30 0 0 0	0 0 001 31 0 0 0	0 0 32 3.6 3.6 3.6 3.6	3.6 0 33 0 0 0	3.6 3.6 34 0 0 0	3.6 3.6 35 0 0	3.6 3.6 0 0	0 0 37 0 3.6 3.6 3.6	3B 0 3.6 3.6 3.6	3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6	1.8 1.8 1.8 40 0 0
REC F.F REW REF. NO. MODE STOP PLAY REC F.F HEW REF. NO.	21 1.8 1.7 1.8 1.2 1.7	0 0 0 0 0	0 0 0 0	2.6 2.7 2.6 24 3.6 3.6 3.6 3.6 3.6	0 0 0 0 25 0.1 0.1 0.1 0.1	26 0 0 0 0	3.6 3.6 3.6 27 0 0 0	0 0 0 0 28 0 3.6 3.6	3.5 3.6 29 0 0 0	0 0 1C6 30 0 0 0 0	0 0 0001 31 0 0 0 0	32 3.6 3.6 3.6 3.6 3.6	3.6 0 33 0 0 0	3.6 3.6 3.6 0 0 0	3.6 3.6 0 0 0	3.6 3.6 0 0 III	0 0 37 0 3.6 3.6 3.6 3.6	3B 0 3.6 3.6 3.6 3.6	3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6	1.8 1.8 1.8 40 0 0 0 0 0 0
REC F.F REW REF. NO. MODE STOP PLAY REC F.F REW REF. NO. MODE STOP	21 1.8 1.7 1.8 1.2 1.7	0 0 0 0 0 0 0 0 0 0	0 0 0 0 23 0 11 0 0 0	2.6 2.7 2.6 24 3.6 3.6 3.6 3.6 3.6 44 3.6	0 0 0 0 25 0.1 0.1 0.1 0.1 0.1	26 0 0 0 0 0 0 0	3.6 3.6 3.6 27 0 0 0 0 0	0 0 0 0 28 0 3.6 3.6 0 0	3.5 3.6 29 0 0 0 0 0 0	0 0 1C6 30 0 0 0 0 0 0 0 0 1C6 50 3.6	0 0 001 31 0 0 0 0 0 0 0 001 51 1.8	0 0 32 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6	3.6 0 33 0 0 0 0 0	3.6 3.6 3.6 0 0 0 0 0 0 3.4	3.6 3.6 35 0 0 0 0	3.6 3.6 0 0 11 0 11 56	37 0 3.6 3.6 3.6 3.6 57	38 0 3.6 3.6 3.6 3.6	3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6	1.8 1.8 1.8 40 0 0 0 0 0 0 0
REC F.F REW REF. NO. MODE STOP PLAY REC F.F REW REF. NO. MODE STOP PLAY	21 1.8 1.7 1.8 1.2 1.7	0 0 0 0 0 0 0 0 0 0	23 0 0 0 0 0 0 0 0 0 0 0 0 0 3.6 3.6	2.6 2.7 2.6 24 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6	0 0 0 0 0.1 0.1 0.1 0.1 0.1 0.1	26 0 0 0 0 0 0 0 0	3.6 3.6 3.6 27 0 0 0 0 0 0	0 0 0 0 3.6 3.6 0 0	3.5 3.6 29 0 0 0 0 0 0 0 0 3.6 3.6	0 0 1C6 30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 001 31 0 0 0 0 0 0 0 0 0 1.8	32 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6	3.6 0 33 0 0 0 0 0 0	3.6 3.6 3.6 0 0 0 0 0 0 0 0 0	3.6 3.6 35 0 0 0 0 0	3.6 3.6 0 0 0 11 0 1.5 1.8	0 0 37 0 3.6 3.6 3.6 3.6 3.6 1.5	38 0 3.6 3.6 3.6 3.6 3.6	3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.7	1.8 1.8 1.8 40 0 0 0 0 0 3.6 60 3.3 1.7
REC F.F REW REF. NO. MODE STOP PLAY REC F.F HEW REF. NO. MODE STOP PLAY REC STOP PLAY	21 1.8 1.7 1.8 1.2 1.4 3.6 3.6 3.6	0 0 0 0 0 0 0 0 0 0 0 0	23 0 0 0 0 0 0 0 0 0 0 0 0 3.6 3.6 3.6	2.6 2.7 2.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3	0 0 0 0 0.1 0.1 0.1 0.1 0.1 0.1 0.1	26 0 0 0 0 0 0 0 0 0 0 0	3.6 3.6 3.6 27 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 3.6 3.6 0 0	3.5 3.6 29 0 0 0 0 0 0 0 0 3.5 3.6 3.6	0 0 1C6 30 0 0 0 0 0 0 0 0 1C6 50 3.6 0	0 0 001 31 0 0 0 0 0 0 0 0 1.8 0	32 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6	3.6 0 33 0 0 0 0 0 0	3.6 3.6 3.6 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1	3.6 3.6 0 0 0 0 0 1,7 1,8	3.6 3.6 0 0 0 1.5 1.5 1.5	37 0 3.6 3.6 3.6 3.6 3.6 1.5	38 0 3.6 3.6 3.6 3.6 3.6 1.6	3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.7 1.7	1.8 1.8 1.8 40 0 0 0 0 3.6 60 3.3 1.7
REC F.F REW REF. NO. MODE STOP PLAY REC F.F HEW REF. NO. MODE STOP PLAY REC F.F	21 1.8 1.7 1.8 1.2 1.4 3.6 3.6 3.6	0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1	0 0 0 0 0 0 11 0 0 0 0 3.6 3.6 3.6 3.6	2.6 2.7 2.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3	0 0 0 0 0.1 0.1 0.1 0.1 0.1 0.1 0.5 0.4	26 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3.6 3.6 3.6 3.6 0 0 0 0 0 47 0 0.4 0.4	0 0 0 0 3.6 3.6 0 0 48	3.6 3.6 29 0 0 0 0 0 0 0 0 0 3.6 3.6 3.6 3.6	0 0 1C6 30 0 0 0 0 0 0 1C6 50 3.6 0	0 0 0 0 31 0 0 0 0 0 0 0 0 0 1.8 0	32 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6	3.6 0 0 0 0 0 0 0 0 0	3.6 3.6 3.6 0 0 0 0 0 0 0 0 1 3.4 0 1.7 1.7	3.6 3.6 0 0 0 0 55 1.7 1.8	3.6 3.6 0 0 0 1.5 1.5 1.5 1.5	37 0 3.6 3.6 3.6 3.6 3.6 1.5 1.5	38 0 3.6 3.6 3.6 3.6 3.6 1.6	3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.7 1.7	1.8 1.8 1.8 40 0 0 0 3.6 60 3.3 1.7 1.7
REC F.F REW REF. NO. MODE STOP PLAY REC F.F HEW REF. NO. MODE STOP PLAY REC F.F PLAY REC F.F	21 1.8 1.7 1.8 1.2 1.4 3.6 3.6 3.6	0 0 0 0 0 0 0 0 0 0 0 0	23 0 0 0 0 0 0 0 0 0 0 0 0 3.6 3.6 3.6	2.6 2.7 2.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3	0 0 0 0 0.1 0.1 0.1 0.1 0.1 0.1 0.1	26 0 0 0 0 0 0 0 0 0 0 0	3.6 3.6 3.6 27 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 3.6 3.6 0 0	3.5 3.6 29 0 0 0 0 0 0 0 0 3.5 3.6 3.6	0 0 1C6 30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 001 31 0 0 0 0 0 0 0 0 0 0 1.8 0	32 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6	3.6 0 0 0 0 0 0 0 0 0 0 0	3.6 3.6 3.6 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1	3.6 3.6 0 0 0 0 0 1,7 1,8	3.6 3.6 0 0 0 1.5 1.5 1.5	37 0 3.6 3.6 3.6 3.6 3.6 1.5	38 0 3.6 3.6 3.6 3.6 3.6 1.6	3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.7 1.7	1.8 1.8 1.8 40 0 0 0 0 3.6 60 3.3 1.7
REC F.F REW REF. NO. MODE STOP PLAY REC F.F HEW REF. NO. MODE STOP PLAY REC F.F REW REF. NO.	21 1.8 1.7 1.8 1.2 1.4 41 3.6 3.6 3.6 3.6	0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 11 0 0 0 0 3.6 3.6 3.6 3.6 3.6	2.6 2.7 2.6 24 3.6 3.6 3.6 3.6 3.5 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6	0 0 0 0 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	26 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3.6 3.6 3.6 3.6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 3.6 3.6 0 0 48 11 0.4 0.4 0.4	3.6 3.6 0 0 0 0 0 0 49 3.5 3.6 3.6 3.6	0 0 1C6 30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	32 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6	3.6 0 0 0 0 0 0 0 0 0 0 0	3.6 3.6 0 0 0 0 0 0 1 54 3.4 0 1.7 1.7	3.6 3.6 0 0 0 0 5.6 1.7 1.8	3.6 3.6 0 0 0 1.5 1.5 1.5 1.5	0 0 37 0 3.6 3.6 3.6 3.6 3.6 1.5 1.5	38 0 3.6 3.6 3.6 3.6 3.6 1.6 1.6	3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.7 1.7 1.6	1.8 1.8 1.8 1.8 0 0 0 0 0 3.6 60 3.3 1.7 1.7 1.6
REC F.F REW REF. NO. MODE STOP PLAY REC F.F HEW REF. NO. MODE STOP PLAY REC F.F REW REF. NO. MODE	21 1.8 1.7 1.8 1.2 1.7 3.6 3.6 3.6 3.6 3.6	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 1 1 0 0 0 0 0 3.6 3.6 3.6 3.6 3.6 3.6	2.6 2.7 2.6 24 3.6 3.6 3.6 3.5 3.5 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6	0 0 0 0 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.5 0.4 0.4 3.6	26 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3.6 3.6 3.6 3.6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 3.6 3.6 0 0 48 0.4 0.4 0.4	3.6 3.6 9.0 0 0 0 0 0 49 3.6 3.6 3.6 3.6 3.6	0 0 0 1C6 30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	32 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6	3.6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3.6 3.6 3.6 0 0 0 0 0 0 0 1 3.4 0 1.7 1.7	3.6 3.6 0 0 0 0 0 56 11.7 1.8	3.6 3.6 0 0 0 1.5 1.5 1.5 1.5 1.5	0 0 37 0 3.6 3.6 3.6 3.6 3.6 1.5 1.5 1.5	3B 0 3.6 3.6 3.6 3.6 3.6 1.6 1.6 0	3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.7 1.7 1.6	1.8 1.8 1.8 1.8 0 0 0 0 0 3.6 60 3.3 1.7 1.6 1.6
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REC F.F REW REF. NO. MODE STOP PLAY REC F.F HEW REF. NO. MODE STOP PLAY REC F.F REW REF. NO. MODE STOP PLAY REC F.F REW REF. NO. MODE REF. NO. MODE REF. NO. MODE REF. NO. MODE REF. NO. MODE REF. NO. MODE REF. NO. MODE REF. NO. MODE REF. NO. MODE REF. NO. MODE REF. NO.	21 1.8 1.7 1.8 1.2 1.7 3.6 3.6 3.6 3.6 3.6	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 3.6 3.6 3.6 3.6 3.6	2.6 2.7 2.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3	0 0 0 0 0.1 0.1 0.1 0.1 0.1 0.5 0.4 0.4 0.4 0.5 0.4	26 0 0 0 0 0 0 0 0 0 0 0.4 0.3 0.4 0.3 0.4 0.3	3.6 3.6 3.6 27 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 3.6 3.6 0 0 48 0.4 0.4 0.4 0.4	3.6 3.6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	32 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6	3.6 0 33 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3.6 3.6 3.6 0 0 0 0 0 0 1.7 1.7 1.7 1.7	3.6 3.6 0 0 0 0 0 56 11.7 1.8 11.8 11.8 11.8 11.8 11.8 11.8	3.6 3.6 0 0 0 1.5 1.5 1.5 1.5 1.5 0 0 0	37 0 3.6 3.6 3.6 57 0 1.5 1.5 1.5 77 3.6 3.3	38 0 3.6 3.6 3.6 3.6 1.6 1.5 0 1.7 8	3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.7 1.7 1.6 79 3.7 3.6 3.6	1.8 1.8 1.8 1.8 0 0 0 0 0 3.6 60 3.3 1.7 1.7 1.6 1.6
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REC F.F REW REF. NO. MODE STOP PLAY REC F.F HEW REF. NO. MODE STOP PLAY REC F.F REW REF. NO. MODE STOP PLAY REC F.F REW REF. NO. MODE STOP PLAY REC REF. NO. MODE STOP PLAY REC REF. NO. MODE	1.8 1.7 1.8 1.2 1.7 3.6 3.6 3.6 3.6 3.6 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 43 3.6 3.6 3.6 3.6 3.6 3.6 3.6 0 0	2.6 2.7 2.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3	0 0 0 0 0 0.1 0.1 0.1 0.1 0.5 0.4 0.4 3.8 65 0	26 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3.6 3.6 3.6 3.6 0 0 0 0 0 0 0 0 0.4 0.4 0.4 0.4 0.4 0.4	0 0 0 0 3.6 3.8 0 0 0 48 0.4 0.4 0.4 0.4 0.4	3.6 3.6 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	32 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6	3.6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3.6 3.6 3.6 0 0 0 0 0 1.7 1.7 1.7 1.7 1.7 2.6 3.6 3.6 3.6	3.6 3.6 0 0 0 0 56 11.7 1.8 11.8 11.7 75 3.6 3.6 3.6 2.6	3.6 3.6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	37 0 3.6 3.6 3.6 3.6 3.5 57 0 1.5 1.5 1.5 1.5 2.8 3.3 3.3 3.3 3.3	38 0 3.6 3.6 3.6 3.6 1.6 0 III	3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.7 1.7 1.6 1.5 3.7 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6	1.8 1.8 1.8 1.8 0 0 0 0 0 0 3.6 60 3.3 1.7 1.6 1.6
REC F.F REW REF. NO. MODE STOP PLAY REC F.F HEW REF. NO. MODE STOP PLAY REC F.F REW REF. NO.	21 1.8 1.7 1.8 1.2 1.7 3.6 3.6 3.6 3.6 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 3.6 3.6 3.6 3.6 3.6 3.6 0 0 0	2.6 2.7 2.6 24 3.6 3.6 3.6 3.6 3.6 3.8 3.8 3.8 3.8 1.5 1.5 1.5	0 0 0 0 0 0.1 0.1 0.1 0.1 0.1 0.5 0.4 0.4 3.6 65 0 0	26 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3.6 3.6 3.6 3.6 0 0 0 0 0 0 0 0 0.4 0.4 0.4 0.4 0.4	0 0 0 0 3.6 3.8 0 0 0 48 0.4 0.4 0.4 0.4	3.5 3.6 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	32 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6	3.6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3.6 3.6 3.6 0 0 0 0 0 1.7 1.7 1.7 1.7 1.7 1.8 3.6 3.6 3.6	3.6 3.6 0 0 0 0 0 56 11.7 1.8 11.8 11.7 75 3.6 3.6 3.6 3.6 2.6	3.6 3.6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	37 0 3.6 3.6 3.6 3.6 3.6 57 0 1.5 1.5 1.5 77 3.6 3.3 3.3 3.3 3.3 2.8 3.3	38 0 0 3.6 3.6 3.6 3.6 1.6 0 III	3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6	1.8 1.8 1.8 1.8 40 0 0 0 0 0 3.6 60 3.3 1.7 1.6 1.6 80 1 1 1 1 1 1 1 1 1 1 1 1 1
REC F.F REW REF. NO. MODE STOP PLAY REC F.F HEW REF. NO. MODE STOP PLAY REC F.F REW REF. NO. MODE STOP PLAY REC F.F REW REF. NO. MODE STOP PLAY REC REF. NO. MODE STOP PLAY REC REF. NO. MODE	1.8 1.7 1.8 1.2 1.7 3.6 3.6 3.6 3.6 3.6 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 43 3.6 3.6 3.6 3.6 3.6 3.6 3.6 0 0	2.6 2.7 2.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3	0 0 0 0 0 0.1 0.1 0.1 0.1 0.1 0.5 0.4 0.4 3.6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	26 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3.6 3.6 3.6 3.6 0 0 0 0 0 0 0 0 0.4 0.4 0.4 0.4 0.4 0.4	0 0 0 0 3.6 3.8 0 0 0 48 0.4 0.4 0.4 0.4 0.4	3.6 3.6 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	32 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6	3.6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3.6 3.6 3.6 0 0 0 0 0 1.7 1.7 1.7 1.7 1.7 2.6 3.6 3.6 3.6	3.6 3.6 0 0 0 0 56 11.7 1.8 11.8 11.7 75 3.6 3.6 3.6 2.6	3.6 3.6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	37 0 3.6 3.6 3.6 3.6 57 0 1.5 1.5 1.5 77 3.6 3.3 3.3 3.3 3.3 3.3 3.3	38 0 3.6 3.6 3.6 3.6 3.6 1.6 0 1.6 2.9 2.8 2.8 98 3.7	3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.7 1.7 1.7 1.8 79 3.7 3.6 3.6 3.6 3.6 9.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1.8 1.8 1.8 1.8 40 0 0 0 0 0 3.6 60 3.3 1.7 1.6 1.6 80 III III III III III III III
REC F.F REW REF. NO. MODE STOP PLAY REC F.F HEW REF. NO. MODE STOP PLAY REC F.F REW REF. NO.	1.8 1.7 1.8 1.2 1.7 3.6 3.6 3.6 3.6 3.6 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 43 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 0 0	2.6 2.7 2.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3	0 0 0 0 0 0 1.5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	26 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3.6 3.6 3.6 3.6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 3.6 3.6 0 0 0 48 0.4 0.4 0.4 0.4 0.4	3.6 3.6 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	32 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6	3.6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3.6 3.6 3.6 0 0 0 0 0 1.7 1.7 1.7 1.7 1.7 1.8 3.6 3.6 3.6	3.6 3.6 0 0 0 0 0 56 11.7 1.8 11.8 11.7 75 3.6 3.6 3.6 3.6 2.6	3.6 3.6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	37 0 3.6 3.6 3.6 3.6 3.6 57 0 1.5 1.5 1.5 77 3.6 3.3 3.3 3.3 3.3 2.8 3.3	38 0 0 3.6 3.6 3.6 3.6 1.6 0 III	3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6	1.8 1.8 1.8 1.8 40 0 0 0 0 0 3.6 60 3.3 1.7 1.7 1.6 1.6 80 III
REC F.F REW REF. NO. MODE STOP PLAY REC F.F HEW REF. NO. MODE STOP PLAY REC F.F REW REF. NO. MODE STOP PLAY REC F.F REW REF. NO. MODE STOP PLAY REC STOP PLAY REC F.F REW REF. NO. MODE STOP PLAY REC F.F REW REF. NO. MODE STOP PLAY REC F.F REW REF. NO. REC REF. NO. REC REF. NO. REC REF. NO. REC REF. NO.	1.8 1.7 1.8 1.2 1.7 3.6 3.6 3.6 3.6 3.6 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 1 1 0 0 0 0 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6	2.8 2.7 2.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	26 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3.6 3.6 3.6 3.6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 3.6 3.6 0 0 0 48 0.4 0.4 0.4 0.4 0.4 0.4	3.6 3.6 0 0 0 0 0 0 0 0 0 0 0 0 0 3.5 3.6 3.6 3.6 3.6 3.6 3.3 3.3 3.3 3.3 3.3	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	32 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6	3.6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3.6 3.6 3.6 0 0 0 0 0 0 1.7 1.7 1.7 1.7 1.7 1.8 3.6 3.6 3.6 3.6	3.6 3.6 0 0 0 56 11.7 1.8 11.7 75 3.6 3.6 3.6 2.6 95 0 0.1	3.6 3.6 0 0 III 0 0 III 0 0 III 0 0 0 III 0 0 0 III 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	0 0 0 37 0 3.6 3.6 57 0 1.5 1.5 1.5 1.5 1.5 1.5 3.3 3.3 2.8 3.3 3.7 3.7 3.7 3.6 3.8	38 0 3.6 3.6 3.6 3.6 1.6 1.5 0 III 78 2.8 2.8 2.8 98 3.7 3.7 3.7 3.7 3.7	3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6	1.8 1.8 1.8 1.8 40 0 0 0 0 0 3.6 60 3.3 1.7 1.7 1.6 1.6 1.6 1.6 1.6 1.7 1.7 1.6 1.6 1.6 1.7 1.7 1.6 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8
REC F.F REW REF. NO. MODE STOP PLAY REC F.F HEW REF. NO. MODE STOP PLAY REC F.F REW REF. NO. MODE STOP PLAY REC F.F REW REF. NO. MODE STOP PLAY REC F.F REW REF. NO. MODE STOP PLAY REC F.F REC REC REF. NO. MODE REC REF. NO.	1.8 1.7 1.8 1.2 1.7 41 3.6 3.6 3.6 3.6 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2.6 2.7 2.6 3.6 3.6 3.6 3.5 3.5 3.5 3.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	26 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3.6 3.6 3.6 3.6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 3.6 3.6 0 0 0 48 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4	3.6 3.6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 3.6 3.6 3.6 3.6 3.6 3.3 3.3 3.3 3.3 3.3	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	32 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6	3.6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3.6 3.6 3.6 0 0 0 0 0 1.7 1.7 1.7 1.7 1.7 2.6 1.5 1.8 3.6 3.6 3.6 3.6 3.6 3.6 3.6	3.6 3.6 0 0 0 0 56 11.7 1.8 11.8 11.7 3.6 3.6 3.6 2.6 95 0	3.6 3.6 0 0 0 1.5 1.8 1.5 76 1.5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	37 0 3.6 3.6 3.6 3.6 57 0 1.5 1.5 1.5 77 3.6 3.3 3.3 2.8 3.3	38 0 3.6 3.6 3.6 3.6 3.6 1.6 0 1.5 0 1.7 2.8 2.8 2.8 98 3.7 3.7	3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.7 1.7 1.6 1.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3	1.8 1.8 1.8 1.8 40 0 0 0 0 0 3.6 60 3.3 1.7 1.7 1.6 1.6 1.6 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0

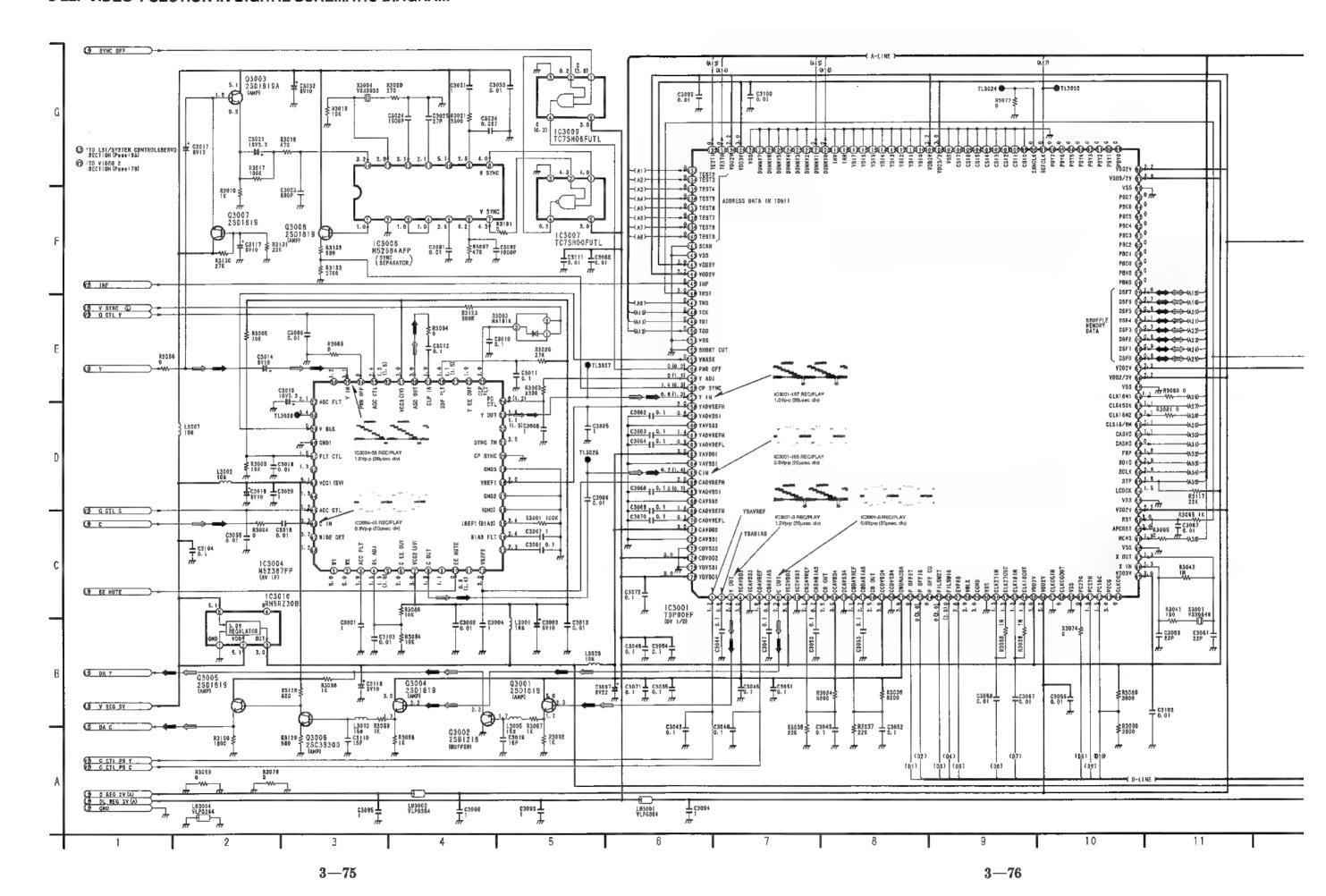
N==	_									1.00	2004									
REF. NO.	101		455	40.	400	400	107	100	155	P******	1001	1	445	144	425	140	1 447	140	110	100
MODE \	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	115	117	118	119	120
STOP		0	3.6	3.3		3,3	0	0	0	0	0	0	0	1.8	3.6	3.6	0		0	3.3
PLAY	0	3.6	1.6	1.7	1.8	1.6	1.6	1.6	0	0	0			1,8	3.6	3.6	0	0	0	2.7
RÉÇ	0	3.6	1.7	1.6	1.6	1.7	1,6	1.6	0		0	0	II.	1.8	3,6	3.6	0		0	2.7
F.F		3.6	1.6	1.6	1.6	1.6	0	3.3	0	0	0	0	0	1.8	3.6	3.6	0	0	0	2.1
REW	0	3.6	1.6	1,6	1.6	1.6	2.9	3.3	0	0	0	0	0	1.8	3.6	3.6	0	0		1.0
REF. NO.								,	,		001									
MODE \	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139_	140
STOP	0	0	0	3.7	3.7	3.7	3.6	3.5	3.5	0	0	2.5	2.2	0	3.0	3.8	3.6	3.6	1.7	1.7
PLAY	0.1	0.1	0.1	3.7	3.7	3.7	3.6	3.6	3.6	-	0	2.3	0		0	3.6	3.6	3.6	1.6	1.6
REC		0	0	3.7	3.7	3.7	3.6	3.6	3.6		0	2.2	0	0		3.6	3.6	3.6	1.7	1.7
F.F	0.1	0	0	3.7	3.7	3.7	3.6	3.8	3,6	0	0	2.2	0	0	.0	3.6	3.6	3.6	1.6	1.6
REW	0.1	0.1	0	3.7	3.7	3.7	3.6	3.5	3.6		0	2.2	0		0	3.6	3.6	3.5	1.7	1.6
REF. NO.								_	_		001						·			
MODE	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156				
STOP	1.7	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1,7	1.7	1	3.6				
PLAY	1.5	1.6	1.5	1.5	1,5	1.5	1.5	1.5	1.6	1.5	1.5	1.5	1.6	1.6	0	3.6				
REC	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0	3.6				<u> </u>
F.F	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.6	1.7	1.7	1.7	1.6	0	3.6	<u> </u>			
REW	1.6	1.6	1.6	1.6	1.6	1.6	1.8	1,6	1,6	1.6	1.6	1.6	1.6	1.6		3.6				
REF. NO.										IC6	002									
MODE \	1	2	3	4	5											1				
STOP	2.7	3.6	0	٥	3.4															<u> </u>
PLAY	2.7	3.6	0	0	3.4													1		
REC	2.7	3.6	0	0	3.4							Ì		Γ'.				}		
F.F	2.7	3.6	0	0.9	3.4							-								
REW	2.7	3.6		0.9	3.4											l				
REF. NO.										IC6	003									
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
STOP	3.7	-	0	0	3.3	0	0		3.3	٥	3.3	0	3.7	3.7						
PLAY	0	3.7	1.7	0	1.6	0	0	0	1.6		1.6	3.7	0	3.7			Į			
REC	0	3.7	1,6	0	1.6	0	0	0	1.6		1.6	3.7	0	3.7	Į		1.			
F.F	0	3.7	1.5	0	1.5	0	0	0	1.5	0	1.6	3.7	0	3.7						
REW	3.7	0	1.5	0	1.5	0	۵	۵	1.6	0	1.6		3.7	3.7						
REF. NO.					IĊ6	004									IC6	005				
MODE	1	2	3	4	5	6	7	8			1	2	3	4	5					
STOP	0	0	- 11	0	3.6	3.7	3.7	3.7			0	0	0	ū	3.7					
PLAY	1.6	1,6	-		3.7	3.7	3.7	3.7			1.6	1,6	0	1.8	3.7					
REC	1.6	1.6	0	0	3.7	3.7	3.7	3.7			1.6	1.6	0	1.8	3.7					
F.F	3.3	0	3.7	0		3.7	3.7	3.7			0	0	0	0	3.7					
REW	0	3.3	0	0	3.7	3,7	3.7	3.7			ī	3.3		3.7	3.7					
REF. NO.	Ė									IČ6	006						_			
MODE	1	2	3	4	5	6	7	8			<u> </u>									
STOP	1.8	1.8	1.8	0	0	ū	i	3.6												
PLAY	1.8	1.8	1.8	0	0	0	0	3.6	!			<u> </u>								
REC	1.8	1.8	1.8	0	0	0	0	3.6												
F.F	1.8	1.8	1.8		0	0	0	3.6	-		\vdash								_	
REW	1.8	1.8	1.8	0	0	0	0	3.6		H-	 			_	— —		1		\vdash	_
LE4A	1.0	1.0	1.0			u		V.0							L		1			

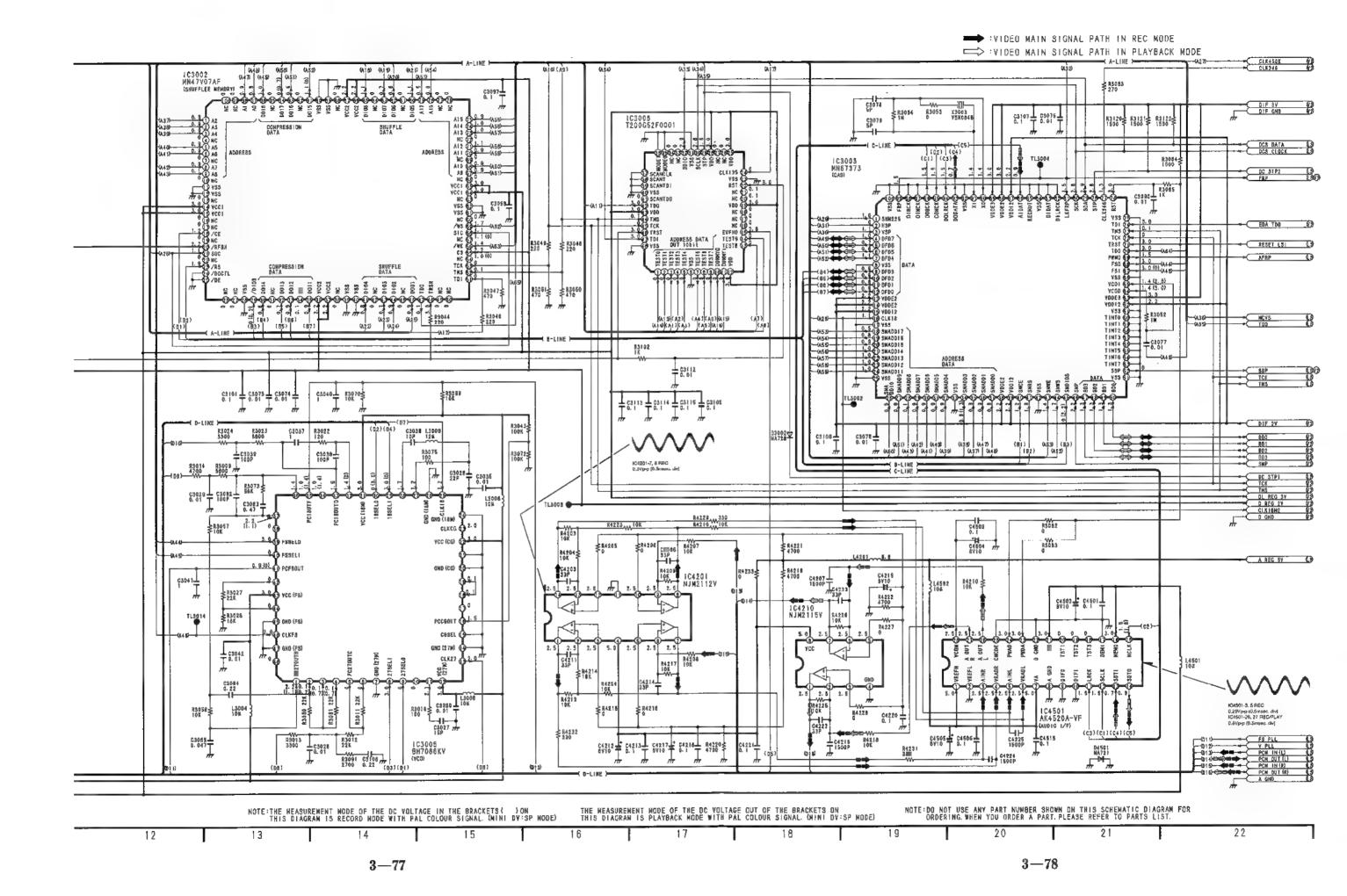
LSI/SYSTEM CONTROL & SERVO TRs DC VOLTAGE CHART (Mini DV : SP MODE)

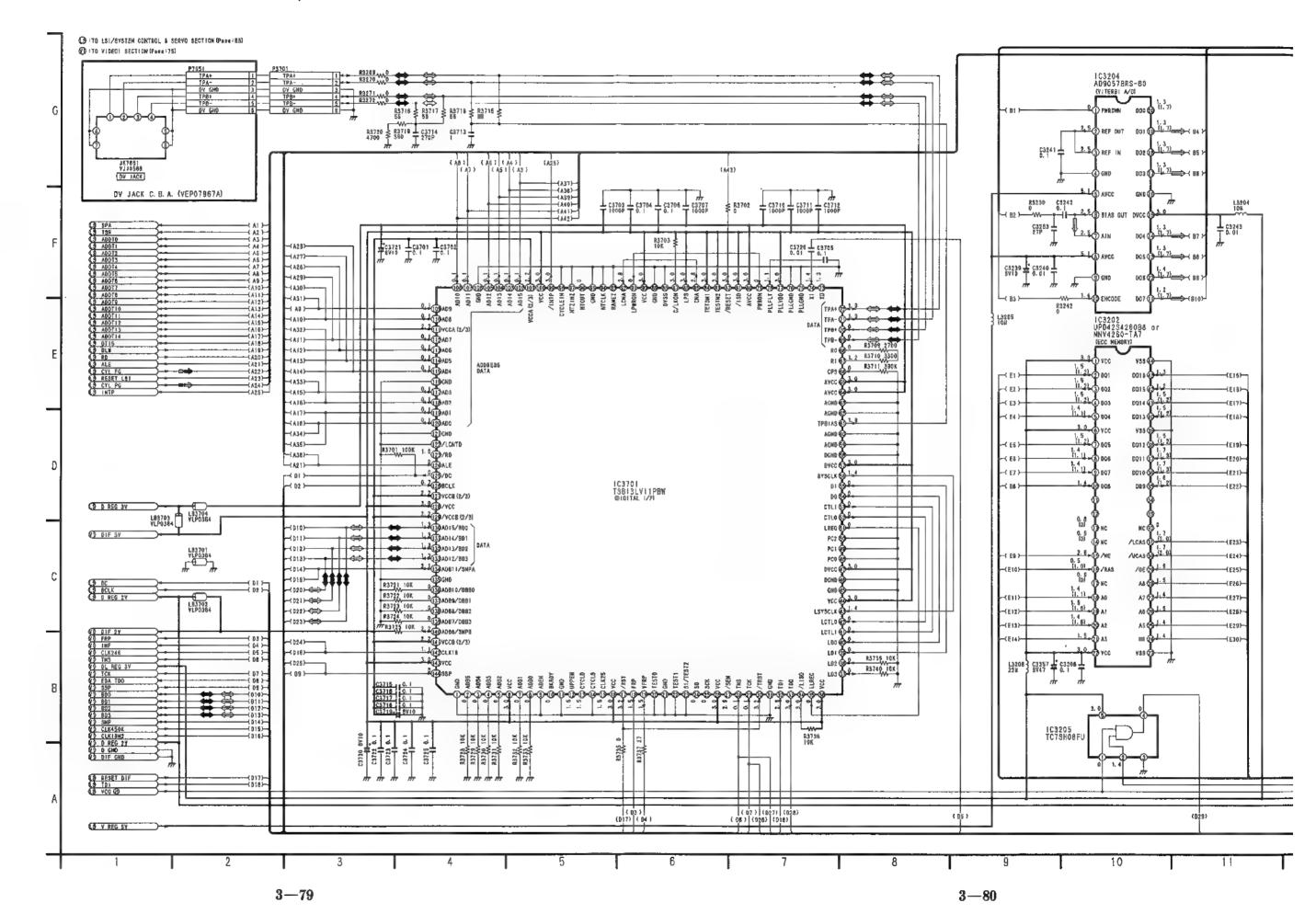
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MODE	Ε	C	В]]					
STOP	3.7	3.7	3.6]]						<u> </u>	
PLAY	3.7	3.7	3.6												
REC	3.7	3.7	3.6				ļ					1			
F,F	3.7	3.7	3.6										<u> </u>		
REW	3.6	3.7	3.6							ŀ		<u> </u>			
REF. NO.		QR2001	Ι		QR6001	ı					 L				
MODE	E	Ċ	В	F	G	В						l			
STOP	3.7	0	3.6	0	3.4	0				Ì					
PLAY	3.7	0	3.6		3.4	a									
REC	3.7	0	3.6	0	3.4	Û				<u> </u>					
F.F	3.7	0	3.6	0	3.4	0									
REW	3.7	0	3.6		3.4	0				1					

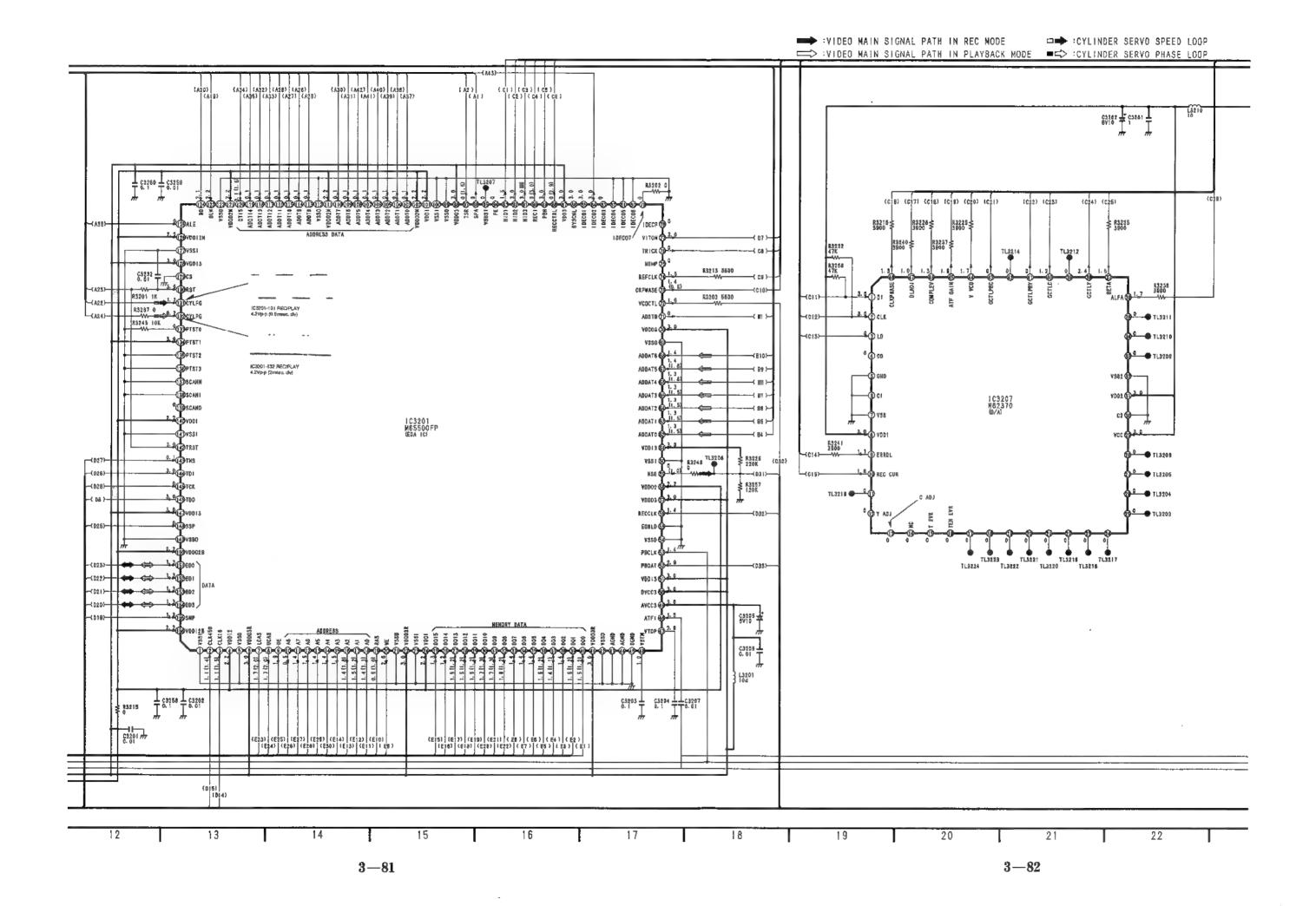


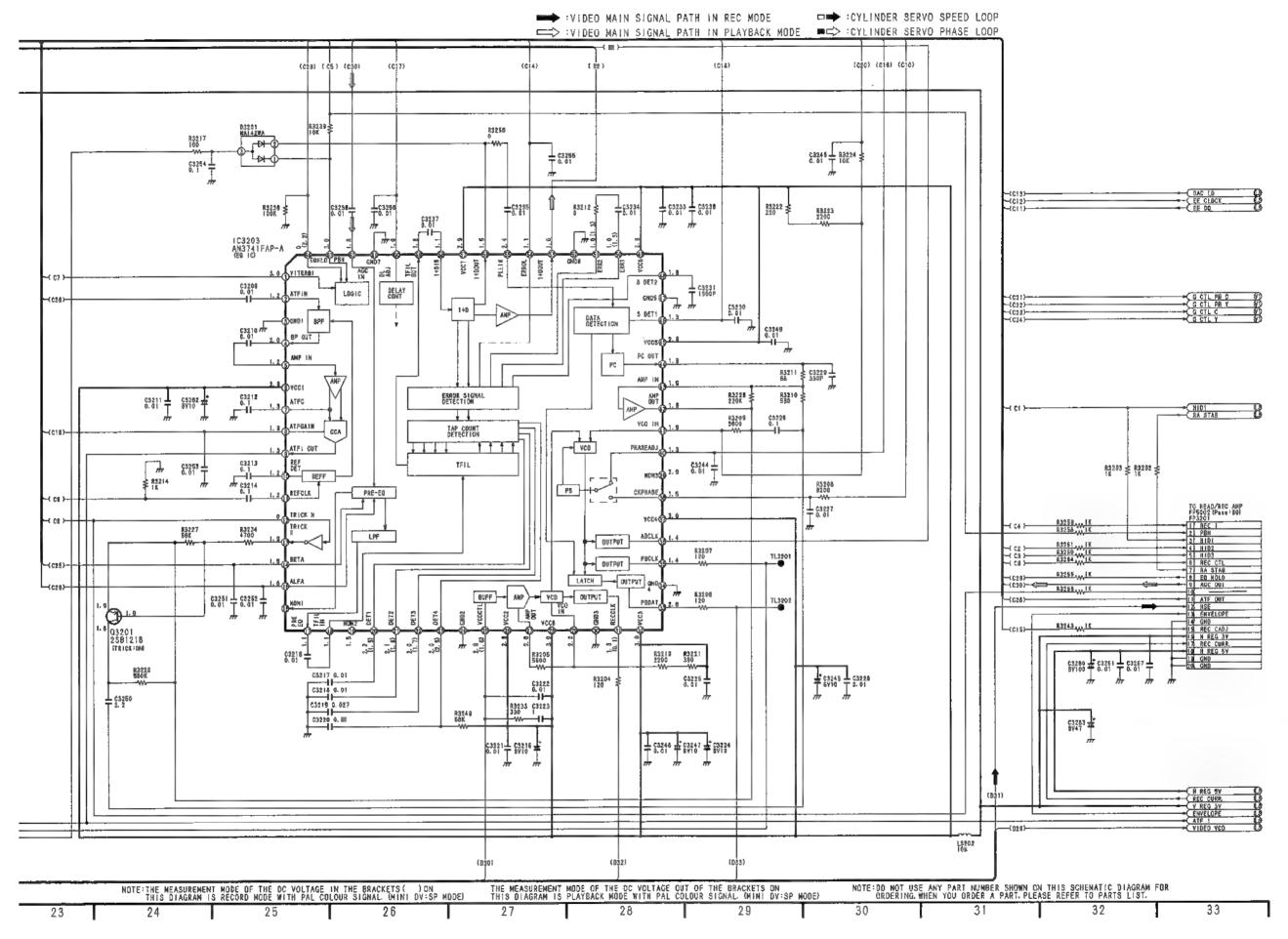




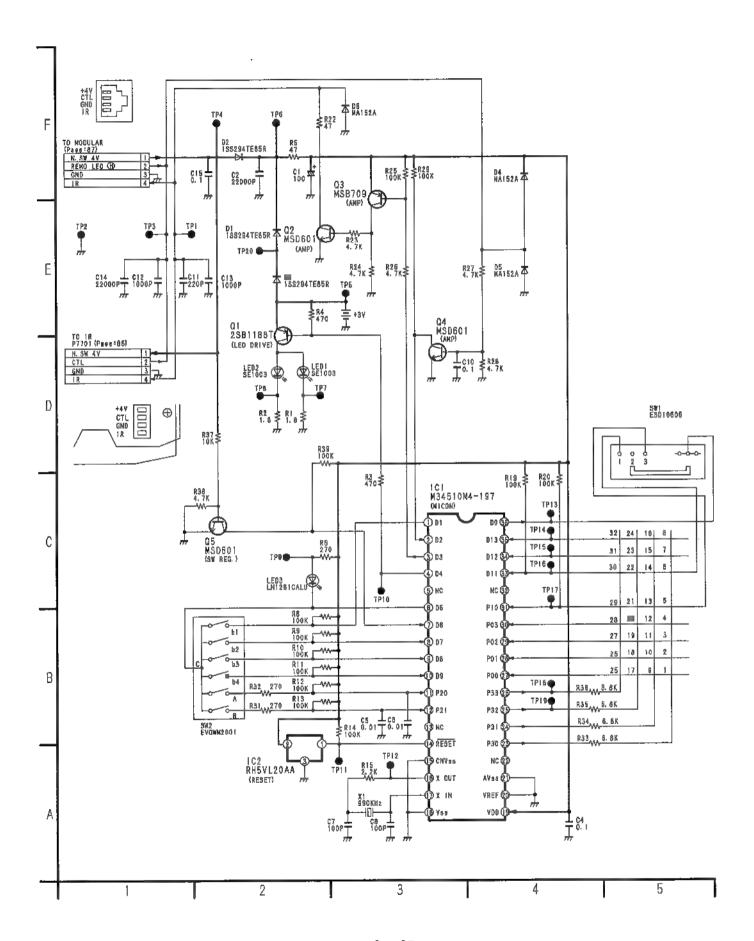




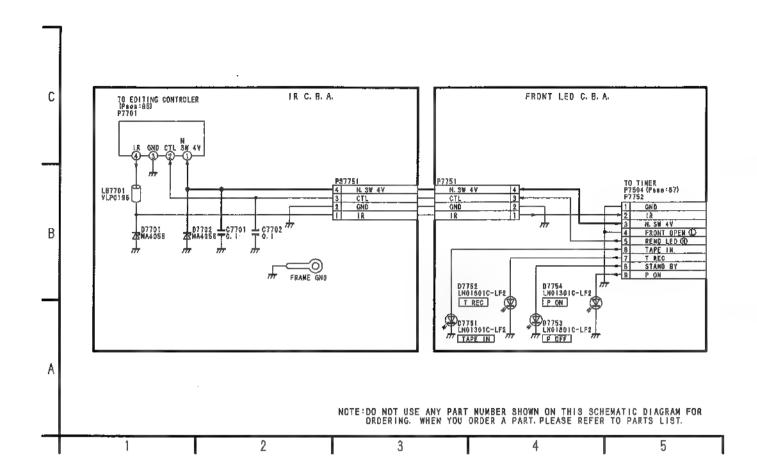




3-24. EDITING CONTROLLER SCHEMATIC DIAGRAM

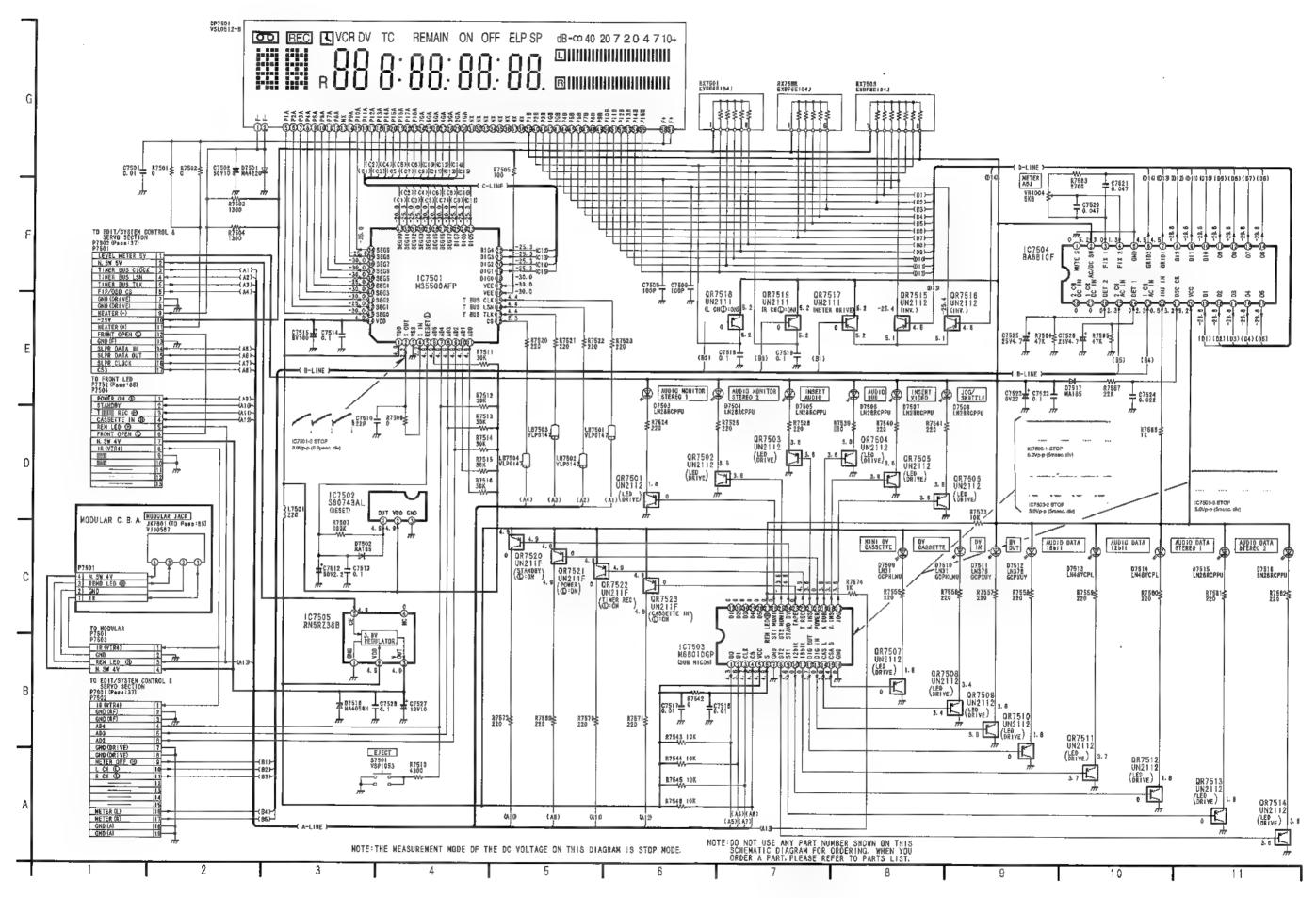


3-25. IR, FRONT LED SCHEMATIC DIAGRAMS

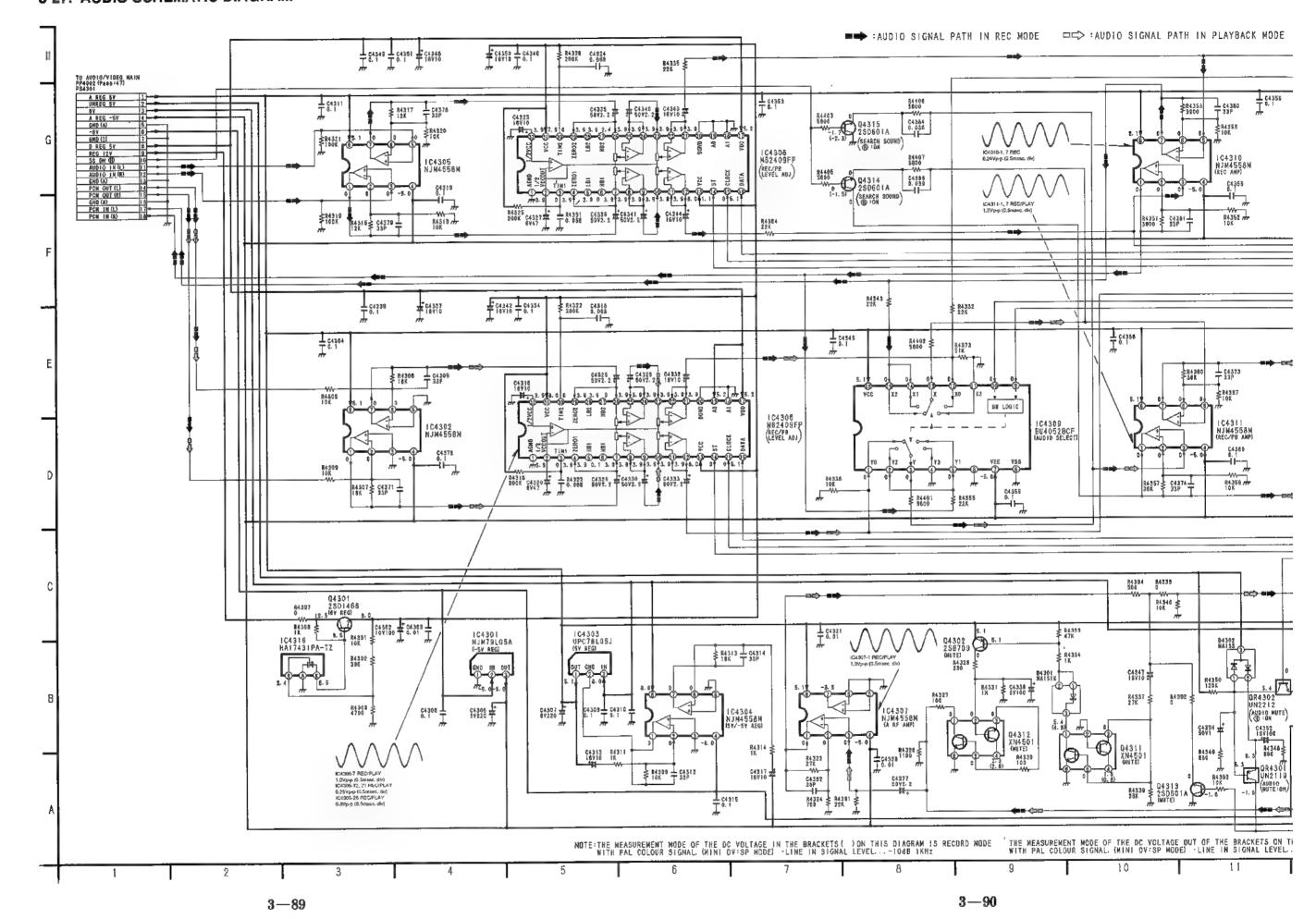


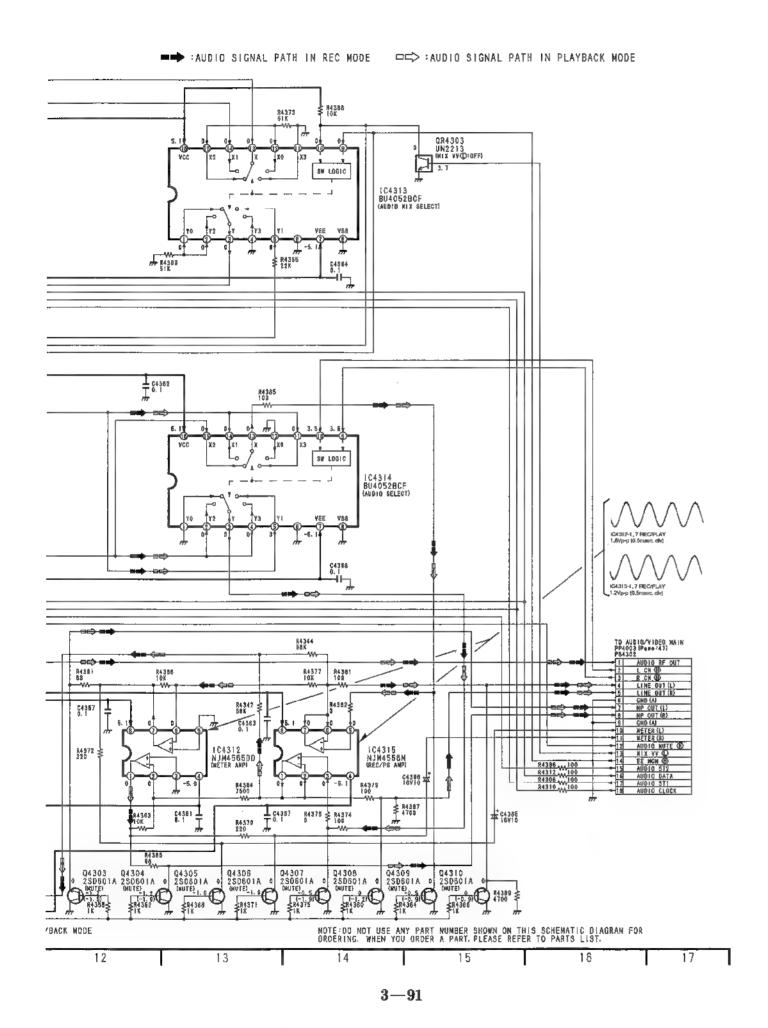
IC7503 (M66010GP): SUB MICON

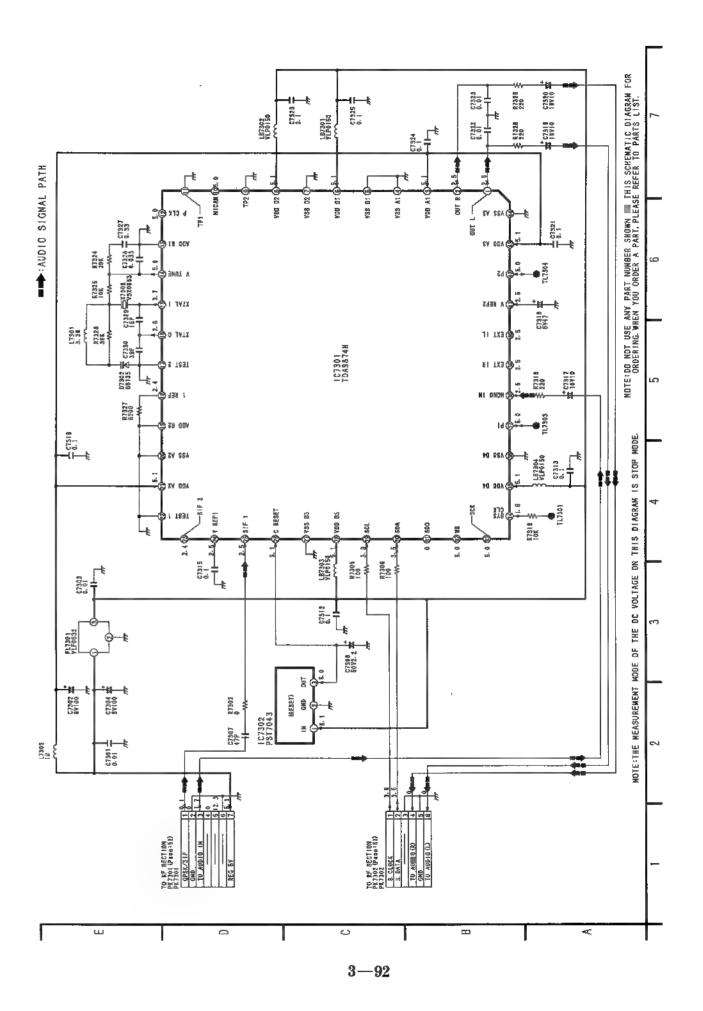
PIN. NO.	SIGNAL NAME	1/0	EXPLANATION	PIN. NO.	SIGNAL NAME	1/0	EXPLANATION
1	DQ	0	Serial Data	17	EDIT	0	LED ON Edit
2	DI	- 1	Serial Data	18	V INS	0	LED ON Video Insert
3	CLK		Serial Clock	19	A DUB	0	LED ON Audio Dubbing
4	CS	1	I/O Chip Select	20	POWER	0	LED ON Power
5	VCC	. 1		21	A INS	0	LED ON Audio Insert
6		- 1		22	T REC	0	LED ON Timer Rec
7	GNÐ	_		23	TAPE	0	LED ON Cassette In
8	ST2	0	LED ON Data Stereo 2	24	STAND BY	0	LED ON Stand By
9	ST1	0	LED ON Data Stereo 1	25	ST2 MONI	0	LED ON Monitor Stereo 2
10	12bit	0	LED ON 12 Bit	26	ST1 MONI	0	LED ON Monitor Stereo 1
11	16bit	0	LED ON 16 Bit	27	REM LED	0	LED ON
12	DIG OUT	0	LED ON DV Output	28		0	
13	DIG IN	0	LED ON DV Input	29			
14	CAS L	0	LED Normal Cassette	30	_	_	
15	CASS	0	LED On Mini Cassette	31	_		
16	GND	_		32	_	_	

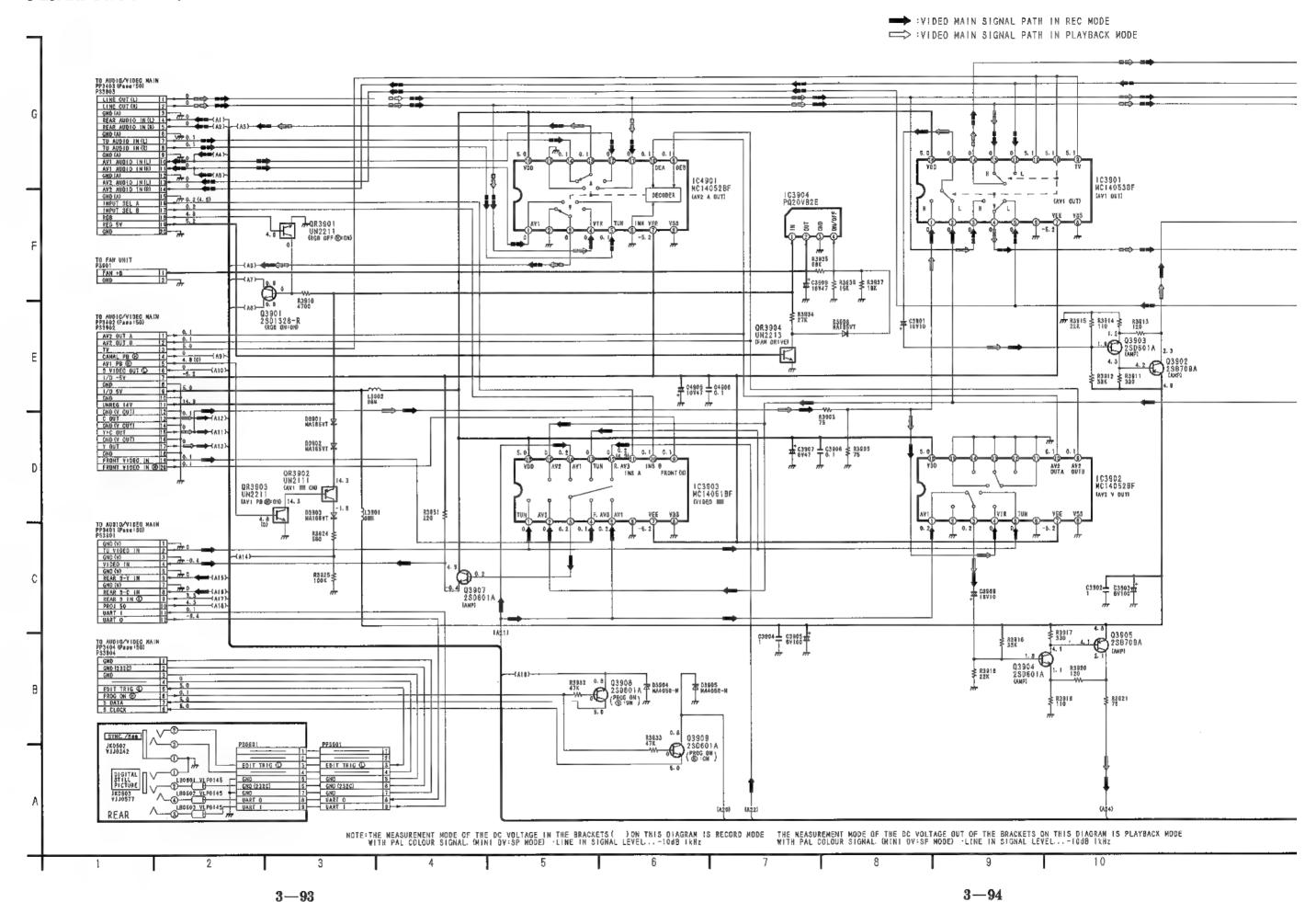


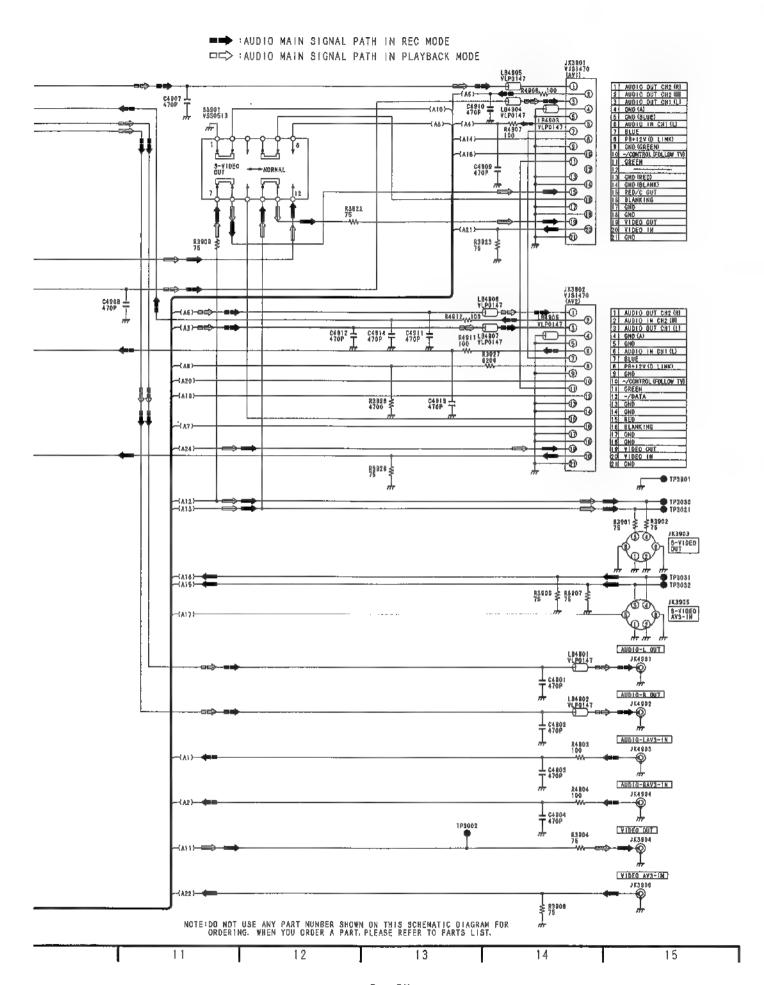
3-27. AUDIO SCHEMATIC DIAGRAM

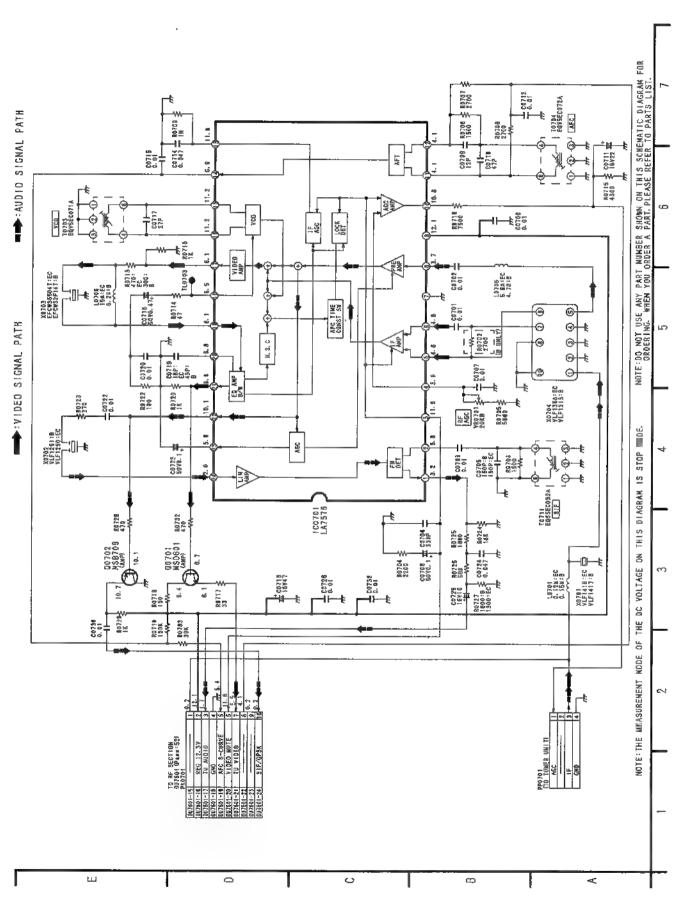






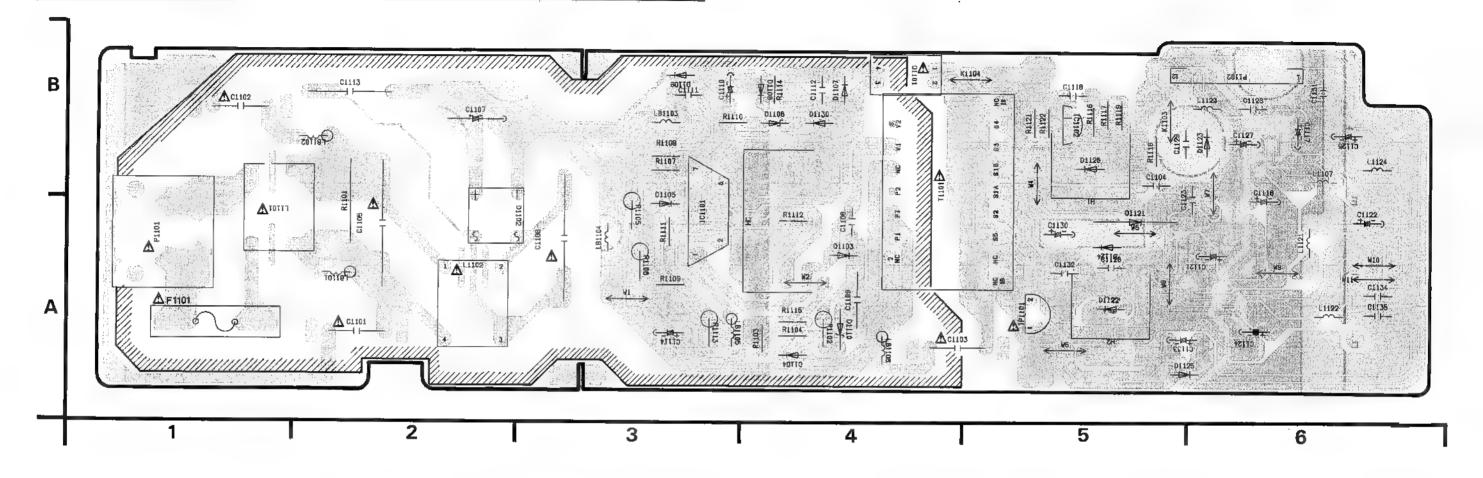




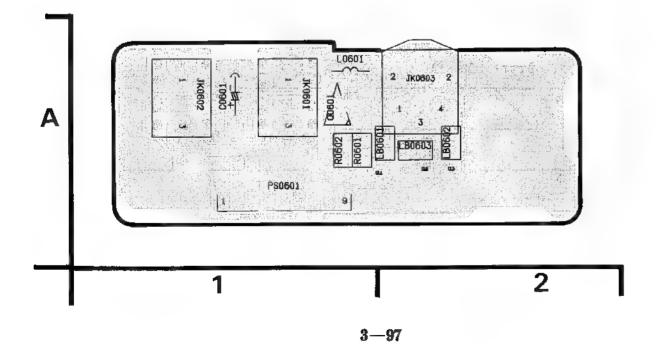


3-31. POWER SUPPLY C.B.A. (VEP01814A)

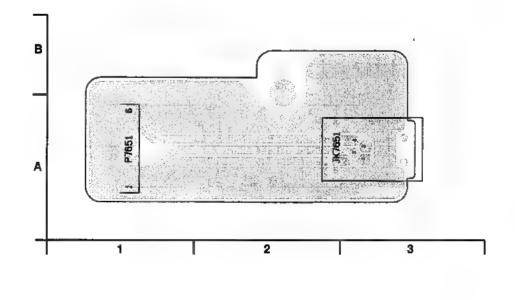
THE STRIPED FRAME INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT.
PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.



3-32. REAR JACK C.B.A. (VEP03E29A)

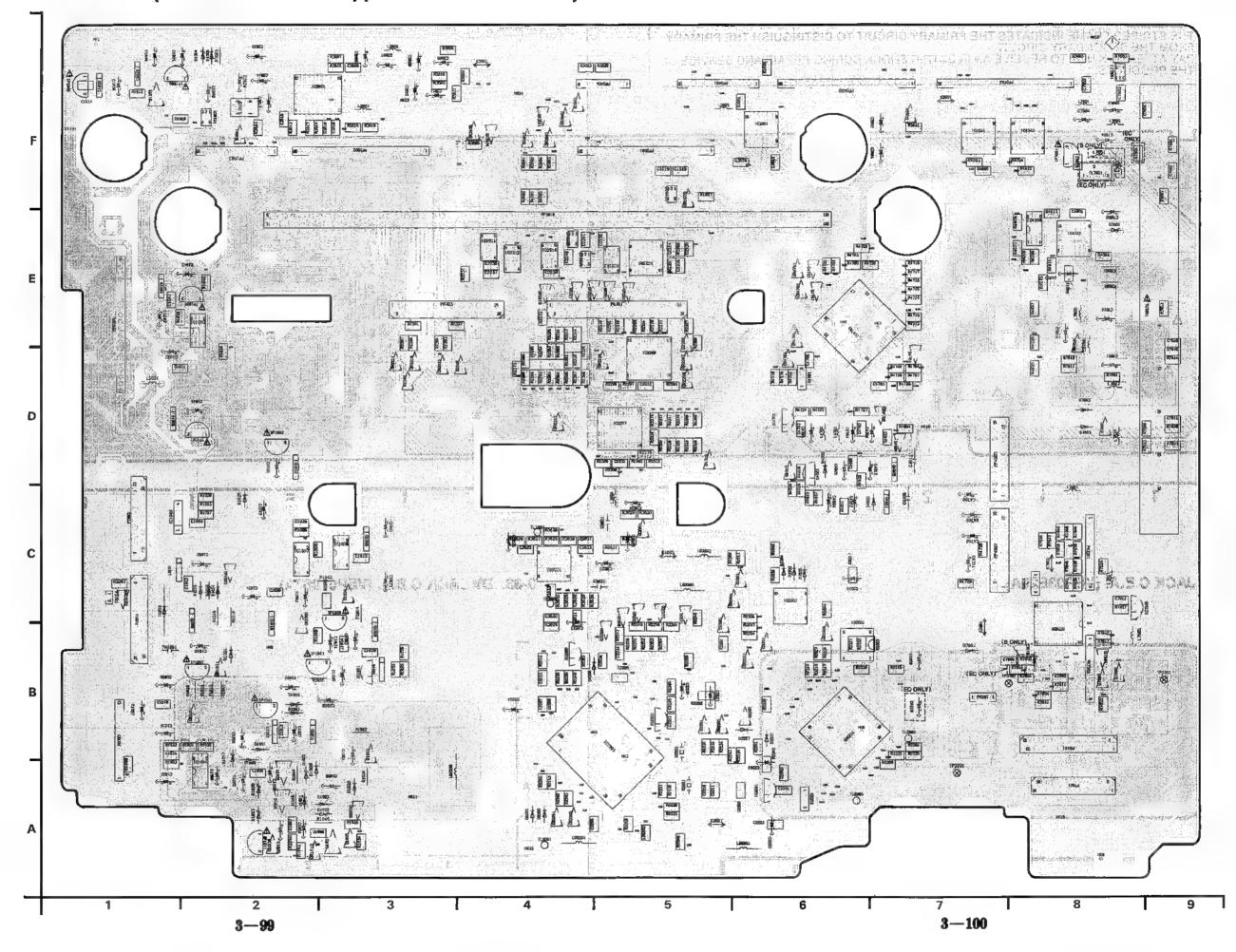


3-33. DV JACK C.B.A. (VEP07967A)



3 - 98

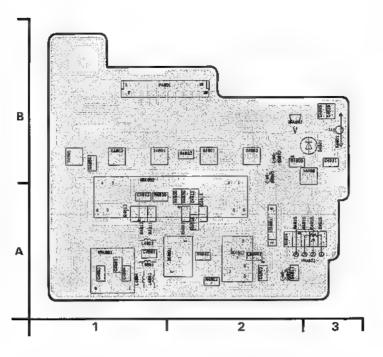
3-34. MAIN C.B.A. (VEP06C40B: NV-DV10000B) (VEP06C40A: NV-DV10000EC)



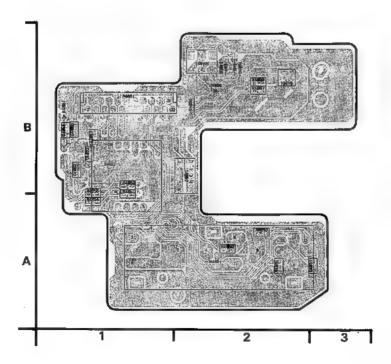
3-35. FRONT (L) C.B.A. (VEP04695B)

		MAIN C	.B.A.		
Transistor		QR2210	D-3	IP	
Q1001	B-3	QR2211	D-3	IP1001	B-2
Q1001 Q1002	B-2	QR2212	D-3	IP1002	D-2
Q1003	F-1	QR2213	D-4	IP1002	B-2
Q1004	E-1	QR2214	E-6	IP1003	B-2
Q1005	D-1	QR2215	E-5		
Q1008	F-1	QR2216	E-4	IP1005	F-1
Q1009	C-2	QR2217	E-4	IP1006	E-2
		QR2218	E-4	IP1007	D-2
Q1010	D-2	QR2220	B-5	IP1008	C-3
Q1011	B-2	QR2221	C-5	IP1009	F-1
Q1012	F-1	QR2222	C-1	IP1011	A-2
Q1017	C-1	QR3601	F-4	IP7601	F-8
Q1018	C-2	QR3602	F-4	Test Point	
Q1020	A-3	QR3603	F-4		-
Q1023	B-3	QR3604	F-4	TL2202	B-7
Q1024	C-3		F-4	TL2203	A-6
Q1025	A-2	QR3605		TL3601	C-4
Q1026	A-2	QR4701	E-6	TL3602	C-4
Q1027	A-3	QR4702	E-6	TL6001	A-4
Q1028	C-3	QR4703	D-6	TP2201	A-7
Q1029	B-3	QR4704	E-6	TP3701	B-7
Q1030	A-2	QR4706	D-7	TP3702	B-9
Q2201	B-6	QR7601	D-8	113702	
Q2202	C-6	Integrated Cin	Arris	Connector	
Q2202	B-6	integrated Cit	cinit	Tio 704	7 24
	-	IC1001	B-3	P3701	C-1
Q2204	B-5	IC1003	E-2	P4001	C-1
Q2205	D-3	IC1004	A-2	P6201	B-7
Q2206	C-5	IC1005	F-2	P6401	B-8
Q2207	C-5	IG1006	0-3	P6701	E-6
Q2208	E-6	IC1007	C-2	P6703	E-3
Q3601	C -5	IC1008	F-5	P6707	B-1
Q4001	D-6	IC1009	C-1	P7901	A-B
Q4002	D≻6	- IC2201	A-6	P7902	C-1
Q4003	C-7	IC2202	C-6	PK7301	C-8
Q4004	D-7	IC2203	B-5	PK7302	B-8
Q4005	D-7	IC2204	B-6	PP3401	F-5
Q4701	E-6	IC2205	B-6	PP3402	F-6
Q4702	E-6	IC2208	E-5	PP3403	F-7
Q7601	D-8	IC2207	D-5	PP3404	F-5
Q7604	B-8	1C2208	D-5	PP3501	F-5
Q7605	B-8	fC2209	B-4	PP3502	F-3
Q7606	B-8			PP3503	F-2
		IC2210	B-6	PP3610	E-4
Transistor & R	esistor	102211	E-4	PP4002	C-7
QR1001	B-2	IG2212	E-4	PP4003	D-7
QR1003	C-2	IG2213	E-6	PP6706	E-1
QR1005	A-3	IG2214	E-4	TU7601	E-8
QR1008	C-2	IC2215	E-4	10,001	E-0
QR1009	F-5	IC2216	E-4		1
QR1009 QR1011		IC3601	F-6		
	B-2	IC3602	F-2		
QR1012	A-2	IC3603	Ç-4		
QR2201	A-4	IC4001	F-7		
QR2202	A-4	IC4002	F-7		
QR2203	B-6	IC4003	F-7		
QR2204	C-5	IC4004	E-8		
QR2205	B-5	IC4701	E-6		
QR2206	B-6	1C4702	D-6		
	D-5	107054	F-8	Į.	I
QR2207	D-0	JC7651	10	[1
QR2207 QR2208	D-5	1C7905	C-8		

ADDRESS INFORMATION



3-36. FRONT (R) C.B.A. (VEP04696B)



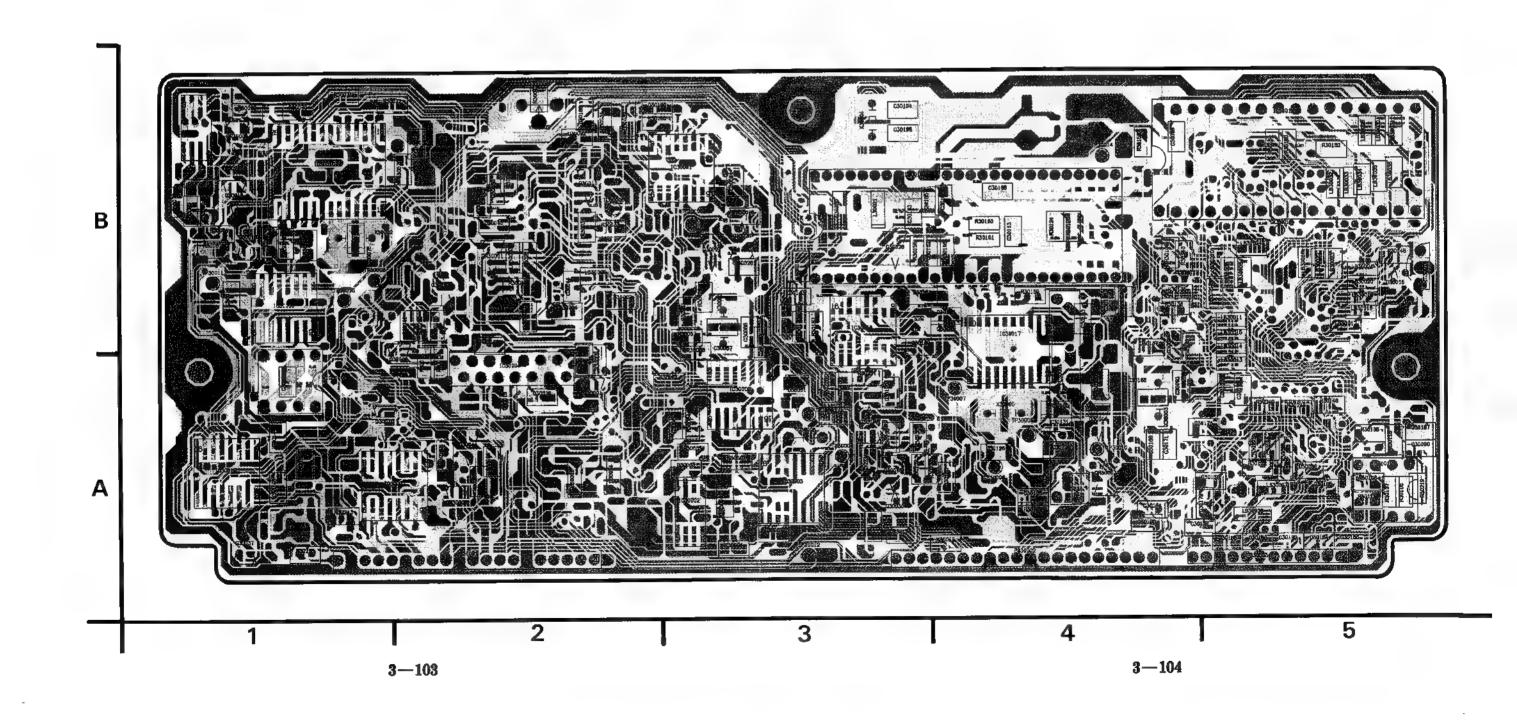
3-37. HEAD AMP C.B.A. (VEP05351A)

SIDE THAT MAKE EASY TO SIGHT THE COMPONENT LAYOUT.

(FOIL SIDE)

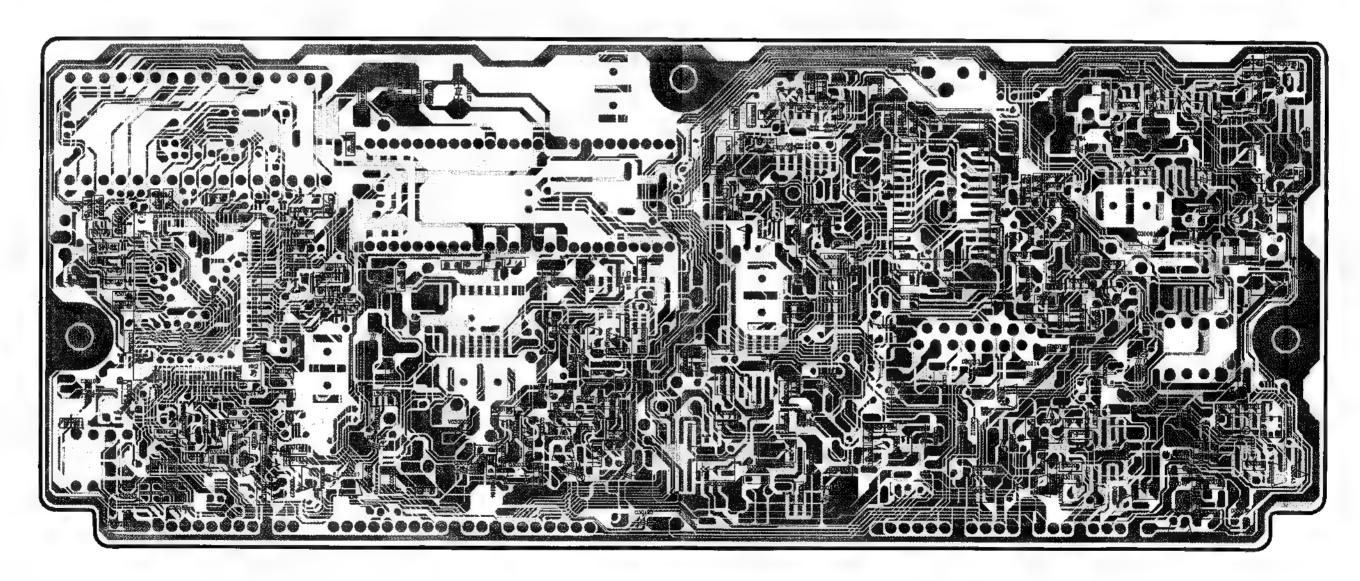
CC 502 CO STATE OF THE PROPERTY OF THE PROPERT

(COMPONENT SIDE)



				ANALOG Y/	C C.B.A.				
Transistor		Q30025	A-6	Transistor & R	esistor	IC30018	B-3	VR30003	A-8
Q30001 Q30002	A-2 A-2	Q30026 Q30027 Q30028	A-6 A-7 B-3	QR30001 QR30003	B-2 A-4	Test Point	A-1	VR30004 Connector	B-10
Q30003 Q30004 Q30005	8-9 8-9 6-8	Q30030 Q30031 Q30032	A-3 A-8 A-8	QR30004 QR30005 QR30006	A-7 B-1 A-2	TL30006 TP30001 TP30002	B-2 A-3 B-2	PS30001 PS30002 PS30003	A-2 A-4 A-5
Q30006 Q30007	B-8 B-3	-Q30033	A-7	Integrated Circ	ult	TP30003	B-1	1 000000	
Q30008 Q30009 Q30010 Q30011 Q30012 Q30013 Q30014 Q30015 Q30016 Q30017	6-3 B-8 6-2 B-10 B-2 B-9 B-9 A-9 B-1 A-9	Q30034 Q30035 Q30036 Q30037 Q30039 Q30040 Q30042 Q30042	A-7 A-7 A-9 A-1 A-10 A-10 A-10 A-10 A-2	IG30001 IG30002 IG30003 IG30004 IG30005 IG30007 IG30007 IG30009 IG30010	B-3 A-3 A-3 A-2 B-1 A-1 A-1 B-9 A-3 B-1	TP30004 TP30005 TP30007 TP30008 TP30009 TP30010 TP30011 TP30012 TP30013 TP30014	A-3 B-3 A-4 A-4 A-4 B-1 A-3 B-1 B-4		
Q30018 Q30019	B-1 A-10	Q30045 Q30046	A-8 A-3	IC30011 IC30012	B-1 A-5	Adjustment			
Q30020 Q30021 Q30022 Q30023 Q30024	B-10 B-10 B-10 B-10 B-10	Q30047 Q30048 Q30049	A-3 A-8 A-9	IC30013 IC30014 IC30015 IC30018 IC30017	B-6 B-5 B-5 B-3 B-4	VC30001 VC30002 VC30003 VR30001 VR30002	B-10 A-7 8-9 A-8 B-2		

ADDRESS INFORMATION



6 7 8 9 10

3—105

3—106

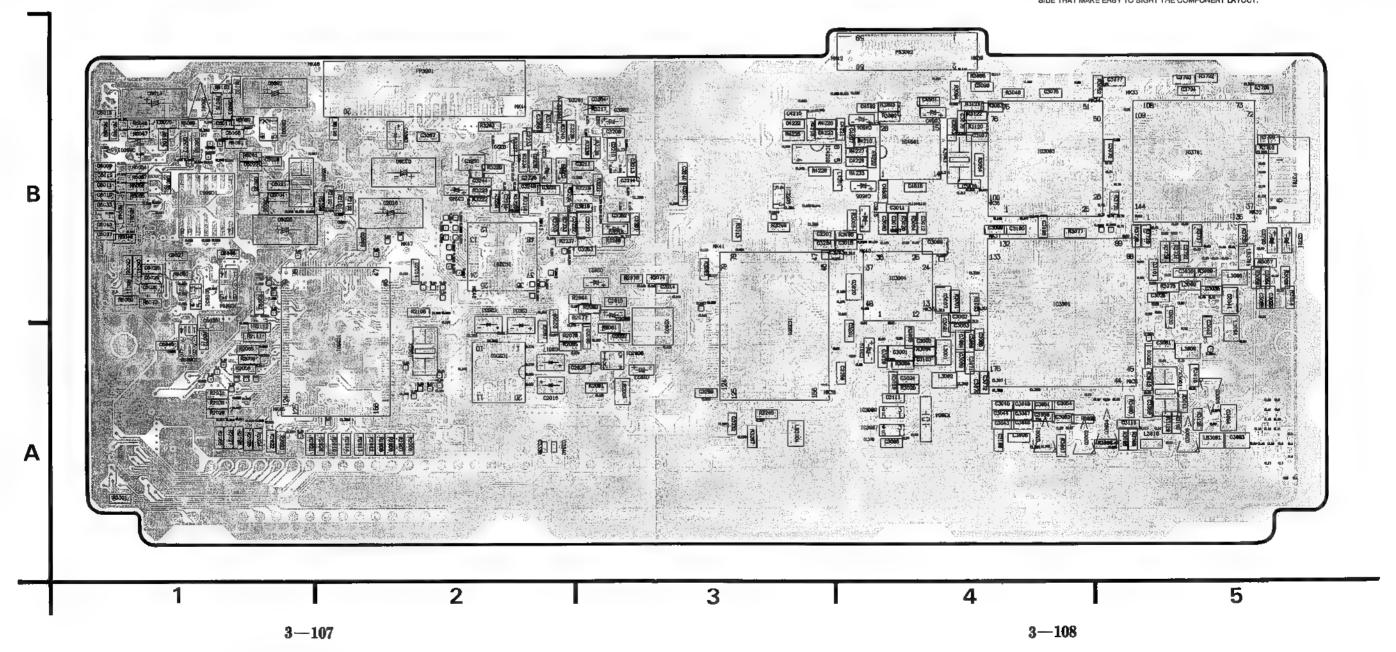
3-39. DIGITAL C.B.A. (VEP03E55A)

				-												A'	/ DIGITA	L. C.B.A. (1)																
Transist	or	IC3002	B-7	Diode		Test Po	Int	TL82	A-2	TL3208	B-3	TL6014	B-10	X3001	A-5	L4501	B-7	G2011 -	A-10	Ç3003	A-7	C3030	B-5	C3056	A-8	C3082	B-6	C3109	A-4	C3217	B-8	C3242	B-8	C3282	B-9
Q3001	A-4	IC3003	B-4	D2001	Δ.0	T1 1	A-1	TL33	A-1	TL3209	B-2	TL6015	B-10	X3003	B-4	L4502	B-7	C2012	A-10	C3004	A-7	C3031	A-7	C3057	A-6	C3083	B-6	C3110	A-5	C3218	B-3	C3243	B-8	C3283	B-2
Q3002	A-4	IC3004	8-4	D2003	B-9	TL4	A-9	TL34	A-1	TL3210	B-2	TL6016	B-10	X3004	A-4	LB2002	A-9	Ç2013	A-10	C3005	B-7	C3032	A-7	C3058	A-6	C3084	B-5	C3111	A-4	C3219	B-8	C3244	B-2	C3301	A-10
Q3002	A-7	IC3005	B-6	D2004	B-9	TL5	A-9	TL35	A-1	TL3211	B-2	TL6017	B-10	X6001	A-1	LB2003	A-10	G2014	B-3	C3006	A-7	C3033	B-7	C3059	B-7	C3085	B-5	C3112	B-7	C3220	B-8	C3245	B-2	C3302	A-10
Q3004	A-5	IC3006	A-7	D2005	B-9	TL9	B-9	TL36	A-1	TL3212	B-2	TL6018	B-10	Coll		LB2004	. A-3	C2015	B-3	C3007	B-4	C3034	A-7	C3060	A-5	G3086	A-4	C3113	B-7	C3221	B-2	C3246	B-2	C3303	A-10
Q3005	A-5	IC3007	A-4	D2006	A-3	TL10	A-1	TL37	B-1	TL3214	B-2	TL6020	B-10			LB3001	· A-5	C2016	A-2	C3008	B-4	C3035	B-5	C3061	A-5	C3087	A-6	C3114	8-7	C3222	B-3	C3247	B-2	C3304	A-10
Q3006	A-5	IC3008	8-7	D2007	B-9	TL11	A-1	TL47	B-1	Tt.3216	B-2	TL6021	B-10	L2001	A-9	LB3002	A-6	G2017	A-2	C3010	B-7	C3036	B-5	C3062	B-4	C3090	B-4	C3115	B-7	C3223	B-3	C3248	B-2	C3305	A-10
Q3007	A-7	IC3009	A-4	D2008	A-2	TL12	A-1	TL59	8-8	TL3217	B-2	TL6024	B-10	L2002	B-9	LB3004	A-3	C2018	A-9	C3011	B-4	C3037	B-6	C3063	A-4	G3091	A-7	C3116	A-7	C3224	B-2	C3249	B-9	C3306	A-10
Q3008	A-7	IG3010	A-7	D2009	A-10	TL13	A-2	TL60	B-8	TL3218	B-2	TL6025	B-10	L3001	A-4	LB3006	A-/	C2019	A-9	G3012	8-4	C3038	B-6	C3064	A-4	G3092	A-7	G3117	A-7	C3225	8-2	C3250	B-2	C3307	A-10
Q3201	B-2	IC3201	A-3	D2010	A-10	TL14	A-2	TL3002	B-6	TL3219	B-2	TL6026	8-1	L3002	A-4	LB3701	8-5	C2020	A-9	C3013	B-4	C3039	B-6	C3065	A-4	C3093	A-5	C3201	A-4	C3226	B-9	C3251	B-3	C3308	A-10
Q6001	B-1	IC3202	A-8	D2011	B-10	TL15	B-2	TL3004	A-5	TL3220	B-2	TL6029	B-10	L3003	A-7	LB3702	B-6	C2021	B-3	C3014	B-7	C3040	B-6	C3067	A-6	C3094	A-S	C3202	B-7	C3227	8-9	C3252	B-3	C3309	A-10
		IC3203	B-9	D2012	B-10	TL16	B-2	TL3006	A-6	TL3221	B-2	TL6030	B-10	L3004	A-5	LB3703	B-6	C2022	A-3	C3015	B-4	C3041	B-5	C3068	A-4	C3095	A-6	C3203	B-4	C3228	8-9	C3253	B-3	C3310	A-10
Transistor	& Resistor	IC3204	5-5	D2013	A-10	TL17	B-2	TL3014	A-5	TL3222	B-2	TL6031	B-10	L3005	A-4	LB3704	B-6	C2023	A-3	C3016	B-4	C3042	A-5	C3059	A-4	C3096	A-6	C3204	B-3	C3229	B-9	C3254	B-3	C3311	A-10
QR2001	A-10	IC3205	8-3	D2014	8-2	TL18	A-2	TL3020	B-5	TL3223	B-2	TL6032	B-1	L3006	A-5	LB6004	A-9	C2024	B-9	C3017	B-7	C3043	A-4	C3070	A-4	C3097	B-6	C3205	B-7	C3230	B-9	C3255	8-2	C3312	A-9
QR2002	A-9	IC3207	8-2	D3002	A-5	TL19	A-2	TL3024	B-5	TL3224	B-2	TL6033	B-10	L3007	A-7	Capacito	ď	C2025	A-3	G3D18	A-4	C3044	A-4	C3071	A-4	C3098	B-7	C3206	B-8	C3231	B-9	C3256	B-2	G3313	A-9
QR2003	A-9	IC3701	B-5	D3003	B-7	TL20	B-9	TL3026	B-4	TL6001	B-10	Connect	ar	L3008	B-5	<u> </u>		C2026	B-3	C3019	A-4	C3045	A-4	C3072	A-4	C3099	B-4	C3207	8-3	C3232	A-3	C3257 C3258	B-8	C3314 C3315	A-9
QR6001	B-1	IC4201	B-7	D3201	B-3	TL21	B-2	TL3027	B-4	TL6002	B-10	500004	T	L3009	B-5	C2002	A-9	G2027	B-10	C3020	B-4	C3046	A-4	C3073	B-7	C3100	B-4	C3208	B-8	C3233	B-2 B-9	G3259	A-4 A-3	C3316	A-9
	d Classile	IC4210	B-3	D4501	B-7	TL22	B-2	TL3028	A-7	TL6005	B-9	FP3201	B-2	L3010	A-5	C2003	A-9	C2028	B-9	C3021	A-7	C3047	A-4	C3074	B-7	C3101	B-5	C3209	B-3	C3234 C3235	B-9	C3260	B-8	C3316	A-9
Integrate	Oircuit	IC4501	B-4	D6002	B-10	TL23	B-2	TL3201	B-9	TL6006	B-9	P3701	B-5	L3201	8-7	C2004	B-9	C2029	A-9	C3023	A-7	C3048	A-4	C3075	B-4 B-5	C3102 C3103	A-6	C3210 C3211	B-3	C3236	B-2	C3261	B-9	C3318	A-0
IC2001	A-2	IC6001	B-10	D6003	B-10	TL26	B-9	TL3202	B-8	TL6007	B-9	PS3001	A-8	L3202	B-9	C2005	A-9	C2030	A-9	C3024	A-4	G3049	A-6	C3076		Į.	A-4	1 '		C3237	1	C3262		C3319	A 0
IC2002	A-2	1C6002	B-1	D6004	B-10	TL27	A-2	TL3203	B-9	TL6008	B-9	P\$3002	B-4	L3204	B-7	C2006	A-9	C2031	B-2	C3025	A-7	C3050	A-4	C3077	8-5	G3104	A-7	C3212	B-8	C3238	B-9	C3262	B-3 B-8	C3320	A-9
IC2004	A-10	106003	B-1	D6005	B-10	TL28	A-2	TL3204	B-9	TL6009	8-1	Crystal 0	Scillator	L3205	B-/	C2007	B-9	C2032	A-9	C3026	B-5	C3051	A-4	C3078	B-4	C3105	B-7	C3213	B-3	C3239	B-3 B-8	C3267	B-2	C3321	4.0
IC2005	A-8	1C6004	B-1	D6007	B-1	TL29	B-1	TL3205	B-9	TL6010	B-1	<u> </u>	_	L3208	B-8	C2008	B-9	C2033	B-2	C3027 C3028	A-6	C3052	A-6	C3079	B-4 B-4	C3106 C3107	B-4 B-4	C3214 C3216	B-3 B-3	C3240	B-3	C3280	B-2	C3321	A-9
(C2006	A-3	IC6005	B-1	D6008	B-1	TL30	A-2	TL3206	B-2	TL6012	B-10	X2001	A-2	L3210	B-9	C2009	B-2	G3001	A-4		A-B	C3053	Λ-4	C3080 C3081	1 7 .	C3107		C3216	I	C2241	B-3	C3281	B-9	C3323	A-9
IC3001	B-4	IC6006	A-1			TL31	B-1	TL3207	8-3	TL6018	B-10	X2002	A-3	L4201	13-4	C2010	B-2	C3002	A-4	C3029	B-5	C3054	A-4	Cauol	A-4	63108	A-6	W210	B-8	03241	0.0	V0201	D-0	1 00023	14.0

ADDRESS INFORMATION

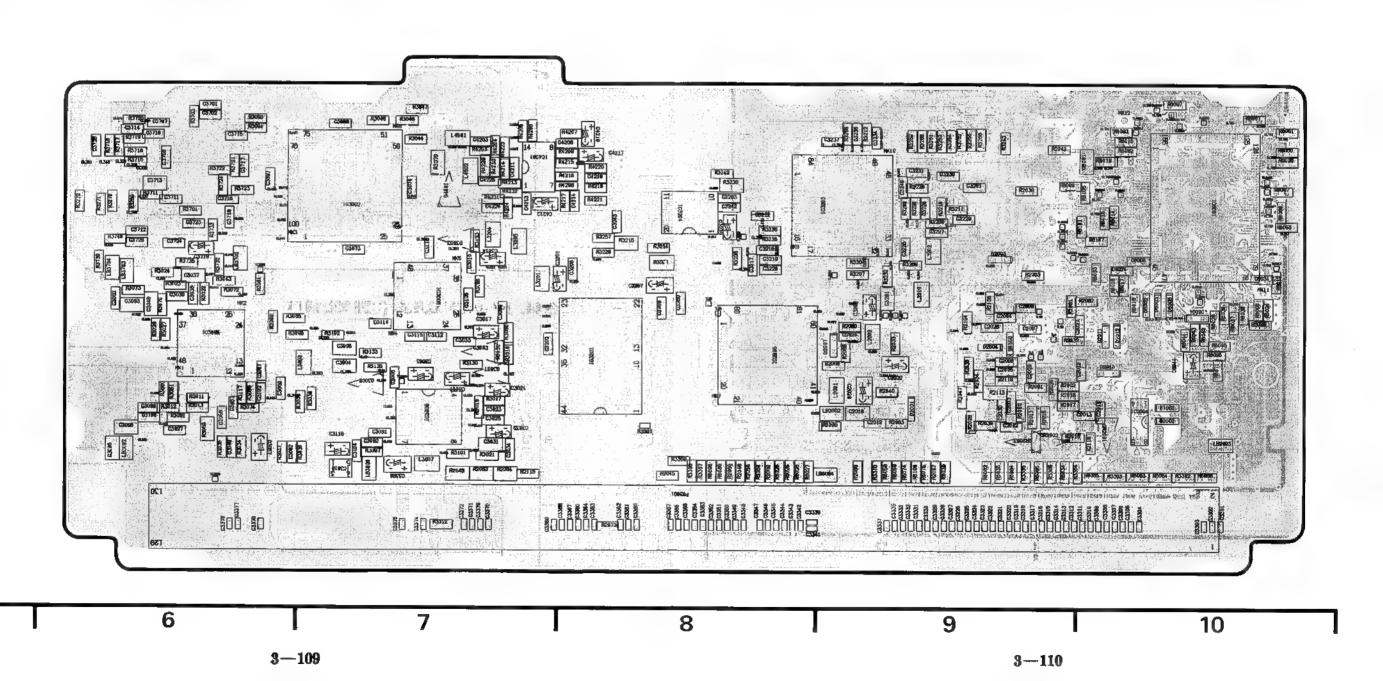
NOTE: MULTILAYER C.B.A.

THIS C.B.A. IS Multi-Layer C.B.A. THIS CIRCUIT BOARD SHOWS COMPONENT LAYOUT-PATTER!
FOR COMPONENT SIDE AND FOIL SIDE. LAYOUT-PATTERNS ARE SINGLE PATTERN FOR EACH SIDE THAT MAKE EASY TO SIGHT THE COMPONENT LAYOUT.



				_		1		,		,							V DIGITA	AL Ç,B.A. 📗	<u>. </u>																
C3324	A-9	C3351	A-8	C3380	A-7	C4203	B-7	C6002	B-1	C6030	B-1	R2016	A-9	R2045	8-A	R2082	B-3	R3006	B-4	R3041	А-6	R3070	B-6	H3101	A-7	R3213	B-3	H3240	B-2	R3302	A-10	R3724	B-6	R4217	B-8
C3325	A-9	C3352	A-8	C3701	B-6	C4206	B-8	C6003	B-1	C6033	B-1	R2017	A-9	R2047	A-9	R2084	B-3	R3009	B-5	R3042	A-5	R3072	B-6	R3102	B-7	R3214	B-8	R3241	B-2	R3303	A-10	R3725	B-5	R4218	B-3
C3326	A-9	C3353	A-8	C3702	B-6	G4207	B-4	C6004	B-1	C6034	B-10	R2018	A-9	R2048	A-8	R2085	A-2	R3010	A-7	R3043	B-6	R3073	B-6	H3117	A-6	R3215	B-8	R3242	B-8	R3304	A-9	R3728	B-6	R4219	8-8
C3327	A-9	C3354	8-A	C3703	B-5	C4211	B-7	C6005	B-10	C6035	B-1	R2019	A-2	R2049	A-7	R2086	A-9	R3011	A-6	R3044	B-7	R3074	A-6	R3120	B-4	R3217	B-3	R3243	B-9	R3305	A-9	R3729	B-5	R4220	B-8
C3328	A-9	C3355	A-8	C3704	B-5	C4212	B-7	C6006	8-1	C6036	B-1	R2020	A-2	R2050	A-8	R2087	A-2	R3012	A-6	R3046	B-7	R3075	B-5	R3121	B-4	R3218	8-2	R3245	A-3	R3306	A-9	R3730	B-6	R4221	B-6
C3329	A-9	C3356	A-B	C3705	B-5	C4213	8-7	C6007	B-1	C8041	B-1	R2021	A-1	R2052	A-8	R2088	A-9	R3013	A-6	R3047	B-7	A3077	B-4	R3122	B-4	R3219	B-3	R3248	B-3	R3307	A-8	R3731	8-5	R4222	R.A
C3330	A-9	C3357	A-8	C3706	B-6	C4214	B-8	C6008	B-1	C6043	B-1	R2022	A-1	R2055	A-1	R2090	A-9	R3014	B-6	R3048	B-4	R3079	8-7	R3123	B-7	R3220	B-2	R3249	B-3	R3308	A-8	R3732	B-6	R4223	B-7
C3331	A-9	C3360	A-B	C3707	B-6	C4215	B-3	C6009	B-1	C6044	A-10	R2023	A-1	R2056	A-8	R2092	B-1	R3016	A-6	R3049	B-7	R3080	B-6	R3128	A-5	R3221	B-3	R3256	B-9	R3309	A-8	R3733	B-6	R4224	R-7
C3332	A-9	C3361	A-8	C3710	8-6	C4217	B-8	C6010	B-1	C6045	A-1	R2024	A-1	R2057	A-9	R2099	B-2	R3017	A-7	R3050	B-6	R3081	B-6	R3129	A-5	R3222	B-2	R3257	B-8	R3310	A-9	R3735	B-6	R4225	B-3
C3333	A-9	C3362	A-8	G3711	B-6	C4218	B-8	C6011	B-1	C6046	B-1	R2025	A-1	R2068	A-1	R2100	B-2	R3018	A-7	R3051	B-6	R3082	B-4	R3130	A-7	R3223	B-2	R3258	B-9	R3312	A-7	R3736	B-5	R4226	B-3
C3335	A-9	C3363	A-B	C3712	B-6	C4219	B-8	C6012	B-1	Resistor		R2026	A-1	R2059	A-1	R2101	8-2	R3019	A-4	R3052	B-6	R3083	B-4	R3131	A-7	R3224	B-2	R3259	B-9	R3701	B-6	R3737	B-5	R4227	B-4
C3337	A-9	C3364	A-8	C3713	B-6	C4220	8-4	C6015	B-1	Healstoi		R2027	A-1	R2060	A-B	R2102	B-2	R3020	A-4	R3053	B-4	R3084	B-4	R3132	A-7	R3225	B-2	R3260	B-9	R3702	B-5	R3739	B-6	R4228	B-3
C3338	A-2	C3365	A-8	C3714	B-6	Ç4221	B-4	C6017	B-1	R2001	A-9	R2028	A-9	R2061	B-9	R2104	B-9	R3021	A-7	R3054	B-4	R3085	B-4	R3133	A-7	R3226	B-9	R3261	B-9	R3703	B-6	R3740	B-6	R4229	B-7
C3339	A-8	C3367	A-8	C3715	B-6	C4222	B-3	C6018	B-1	R2002	A-9	R2029	A-1	R2062	B-10	R2105	B-9	R3022	8-6	R3057	8-5	R3088	8-7	R3201	B-8	R3227	B-2	R3262	B-9	R3709	B-6	R4203	B-7	R4230	B-7
C3340	A-2	C3368	A-8	C3716	B-6	C4223	B-3	C6019	8-1	R2003	B-9	R2030	A-1	R2063	A-7	R2106	B-2	R3023	B-6	R3058	B-5	R3088	A-4	R3202	B-3	R3228	B-9	A3263	B-2	R3710	B-5	R4204	B-7	R4231	B-7
C3341	A-8	C3369	A-7	C3717	B-6	C4224	B-7	C6020	8-1	R2006	A-2	R2031	A-1	R2064	A-7	R2111	A-1	R3024	B-6	R3059	A-8	R3089	A-6	R3203	B-2	R3229	B-8	R3264	B-9	R3711	B-6	R4205	B-7	R4232	B-7
C3342	A-8	C3370	A-7	C3718	B-6	C4225	B-7	C6021	B-1	R2007	A-2	R2032	B-9	R2065	A-1	R2112	A-1	R3026	B-4	R3060	A-6	R3090	A-5	FI3204	B-9	F3230	B-8	R3265	B-9	R3715	B-6	R4206	B-7	R4233	B-4
C3343	8-A	C3371	A-7	C3719	B-6	C4501	B-4	C6022	B-1	R2008	A-2	R2033	B-9	R2068	A-9	R2113	A-9	R3027	B-6	R3061	A-6	R3091	A-8	R3205	B-2	R3232	B-9	R3266	B-9	R3716	8-6	R4207	B-8	R6001	B-1
C3344	A-8	C3372	A-7	C3720	B-5	C4502	B-4	C6023	B-1	R2009	A-2	R2034	A-9	R2073	A-8	R2115	A-7	R3028	B-6	R3063	B-4	F3092	A-4	R3206	B-8	R3233	B-2	R3267	A-3	R3717	8-6	R4208	B-8	R6003	B-10
C3345	A-8	C3374	A-7	C3721	B-5	C4503	B-4	C6024	B-10	R2010	A-9	R2035	A-9	R2074	B-3	R211B	A-10	R3034	A-6	R3064	B-4	R3094	A-4	R3207	B-9	R3234	B-2	R3268	B-9	R3718	B-6	R4209	B-8	R6006	B-10
C3346	A-8	C3375	A-7	G3722	B-5	C4504	8-4	C6025	B-1	R2011	A-9	R2036	A-9	R2076	B-3	R2119	A-9	R3035	A-6	R3065	B-6	H3095	B-6	R3208	B-9	R3235	B-8	R3269	B-6	R3719	B-6	R4210	8-4	R6008	B-10
C3347	A-8	C3376	A-6	G3723	B-6	C4505	B-4	C6026	B-1	R2012	A-2	R2038	A-9	R2077	B-3	R3001	B-4	R3036	A-7	R3066	B-7	R3097	A-7	R3209	B-9	R3236	B-8	R3270	B-6	R3720	B-6	R4213	B-7	R6009	8-9
C3348	8-A	C3377	A-6	G3724	B-6	C4506	B-4	C6027	B-1	R2013	A-2	R2039	B-9	R2079	A-2	R3003	B-4	R3037	A-6	R3067	A-4	R3098	A-5	R3210	B-9	R3237	B-2	R3271	B-8	R3721	B-6	R4214	B-7	R6010	B-10
C3349	8-A	C3378	A-7	C3725	B-6	C4515	B-4	C6028	B-1	R2014	A-2	R2040	A-9	R2080	Ba	R3004	A-4	R3038	A-7	H3068	A-5	R3099	A-5	R3211	B-9	R3238	B-3	R3272	B-6	R3722	B-6	R4215	B-8	R6011	8-1
C3350	8-A	C3379	A-7	C3726	B-6	C6001	B-10	C6029	B-1	R2015	A-9	R2042	B-9	R2081	A-3	R3005	B-4	R3039	A-7	R3069	A-5	R3100	A-5	R3212	B-9	R3239	B-3	R3301	A-1	R3723	B-6	R4216	B-8	R6012	B-10

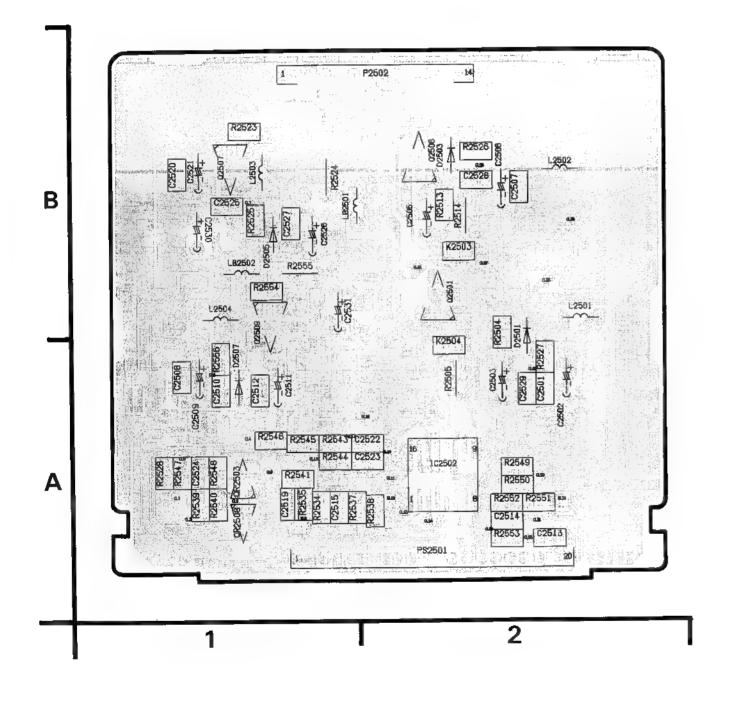
ADDRESS INFORMATION



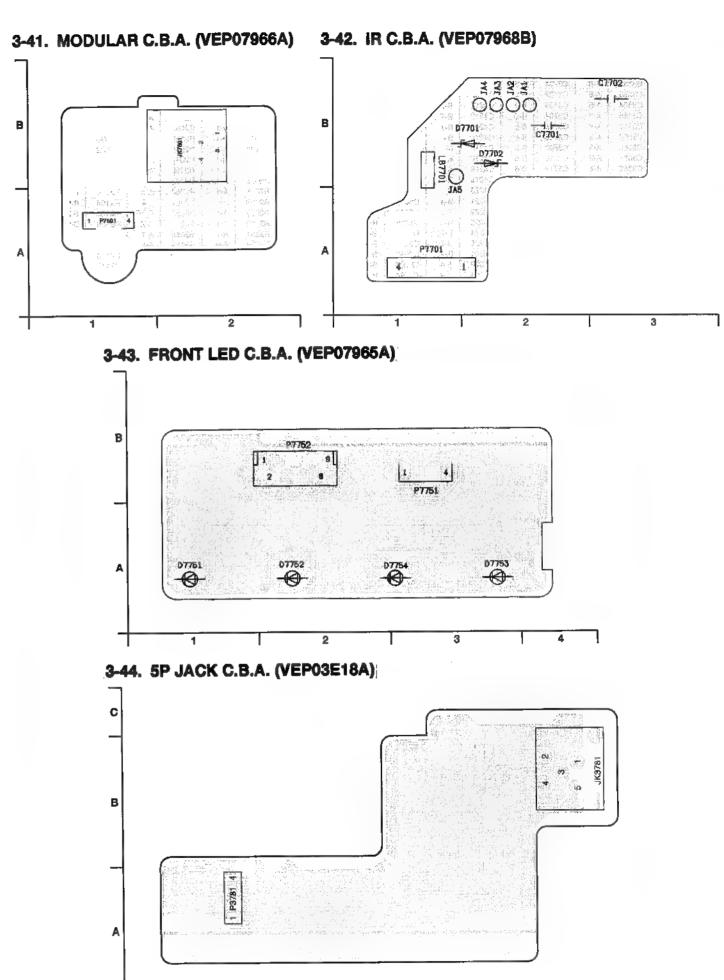
							A	V DIĞITAL	G.B.A. (8	3)							
R6014	B-10	R6027	A-8	R6042	B-10	R6051	B-1	R6060	B-10	R6070	B-1	R6085	A-9	R6097	B-10	R6107	B-10
R6015	B-10	R6028	A-8	R6043	B-10	R6052	B-1	R6061	B-10	R6071	A-10	R6087	B-10	R6098	A-10	R6108	B-2
R6016	B-10	H6029	B-10	R6044	B-10	R6053	B-10	R6063	A-10	R6072	A-1	R6089	A-B	R6099	B-10		
R6017	B-10	R6034	A-9	R6045	B-10	R6054	B-1	R6064	A-10	R6073	B-1	R6090	B-1	R6100	A-9		
R6018	B-10	R6035	A-9	R6046	B-1	R6055	B-1	R6065	A-10	R6074	A-9	R6091	B-1	R6101	B-10		
R6019	B-10	R6036	B-10	R6047	B-1	R6056	B-1	R6066	B-1	R6075	A-9	R6092	B-10	R6102	B-1		
R6024	B-10	R6037	B-10	R6048	B-1	R6057	B-1	R6067	B-10	R6080	B-10	R6093	B-10	A6103	B-1		
R6025	A-8	R6038	8-10	R6049	B-1	R6058	A-9	R6068	B-1	R6082	A-9	R6095	A-10	R6104	B-1		ļ
R6026	A-8	R6039	A-9	H6050	8-1	R6059	A-9	R6069	B-1	R6084	A-9	R6096	A-8	R6105	B-10		

ADDRESS INFORMATION

3-40. MOTOR DRIVE C.B.A. (VEP06C89A)

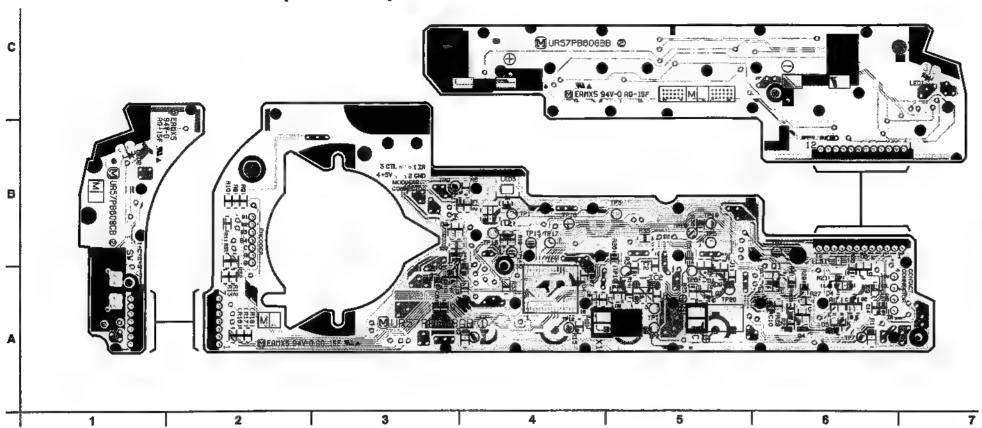


3-111



3-112

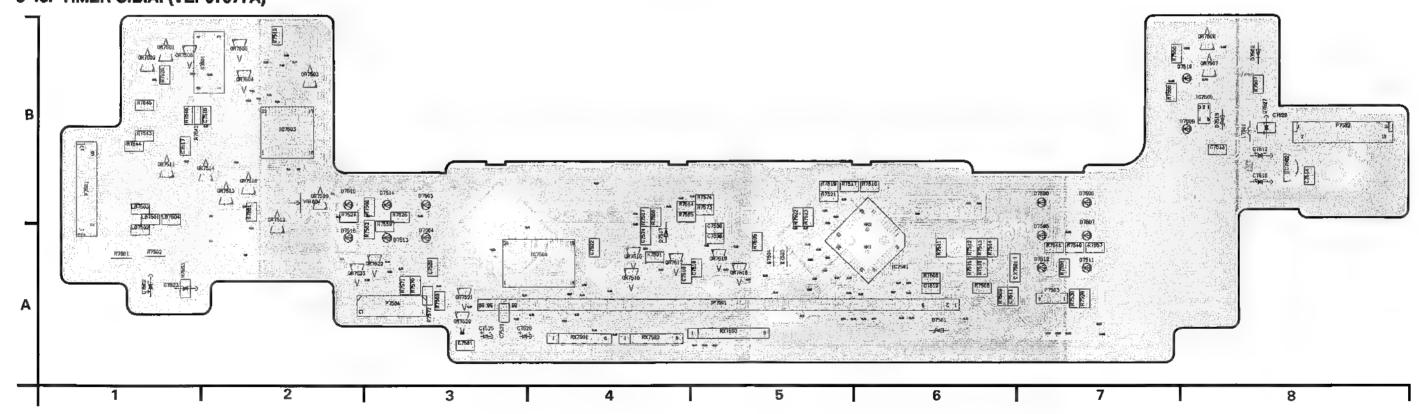
3-45. EDITING CONTROLLER C.B.A. (UR57VPB623)

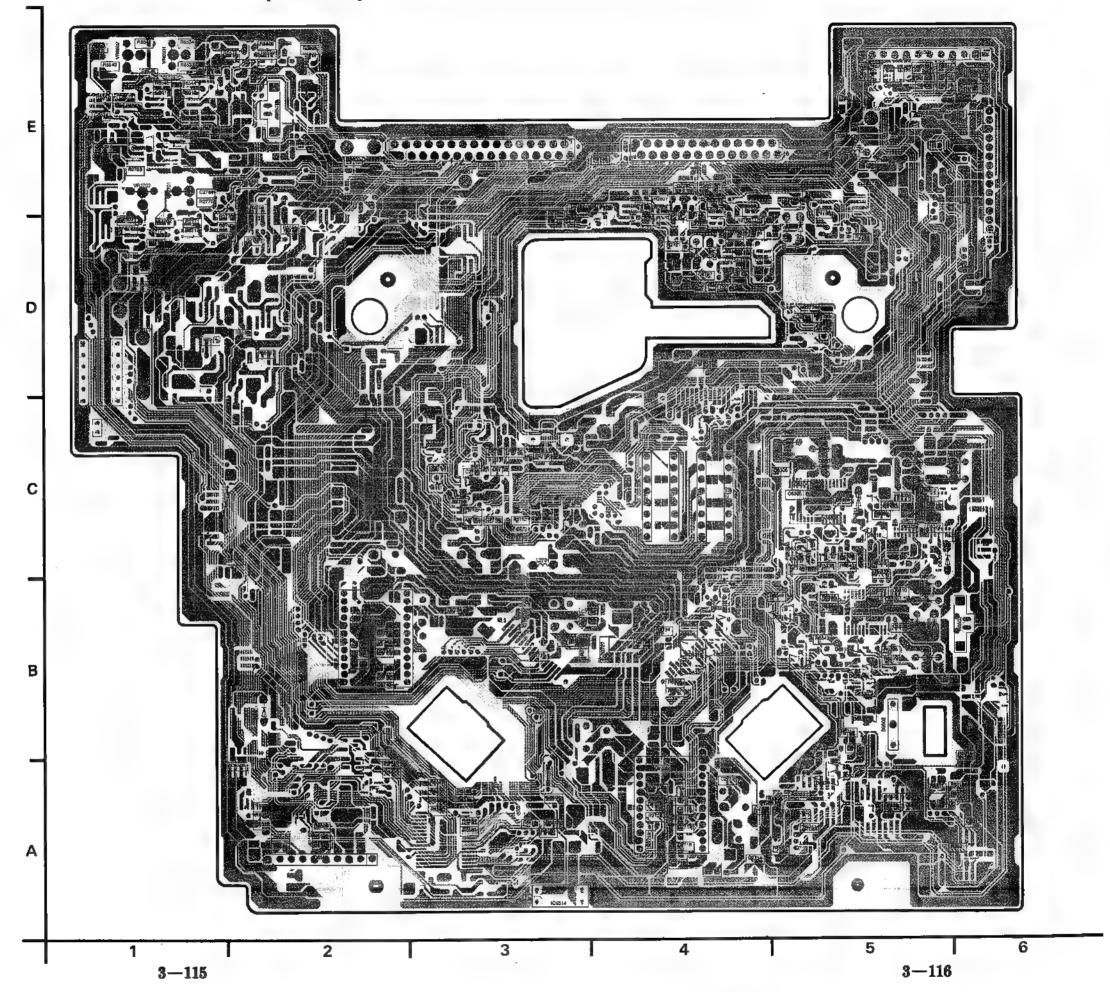


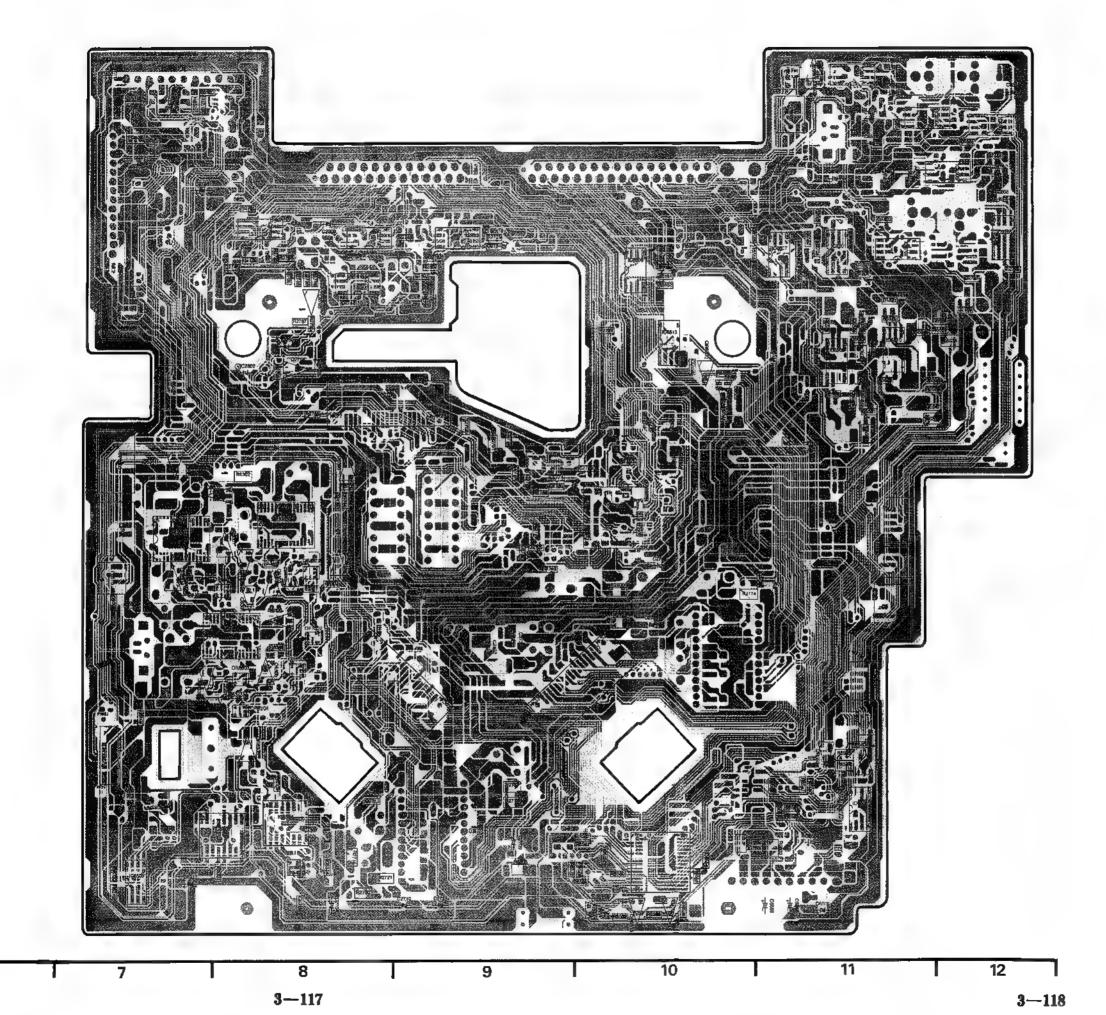
	TIMER	C.B.A.	
Transistor & F	lesistor	Integrated Circ	cult
QR7501	B-1	IC7501	A-6
QR7502	B-1	IC7502	B-8
QR7503	B-2	IC7503	B-2
QR7504	B-2	IC7504	A-4
QR7505	B-2	IC7505	B-8
QR7506	B-1	Adjustment	
QR7507	B-8		
QR7508	B-8	VR4004	B-2
QR7509	B-2	Connector	
QR7510	B-2		
Q87511	B-1	P7501	B-1
QR7512	B-2	P7502	B-8
QR7518	B-2	P7503	A-7
QR7514	B-2	P7504	A-3
QR7515	A-4		l
QR7516	A-4		l
QR7517	A-4		
QR7518	A-5	1	l
QR7519	A-5		
QR7520	A-8]	
QR7521	A-3		!
OR7522	A-8		
OR7523	A-2		

ADDRESS INFORMATION

3-46. TIMER C.B.A. (VEP07977A)





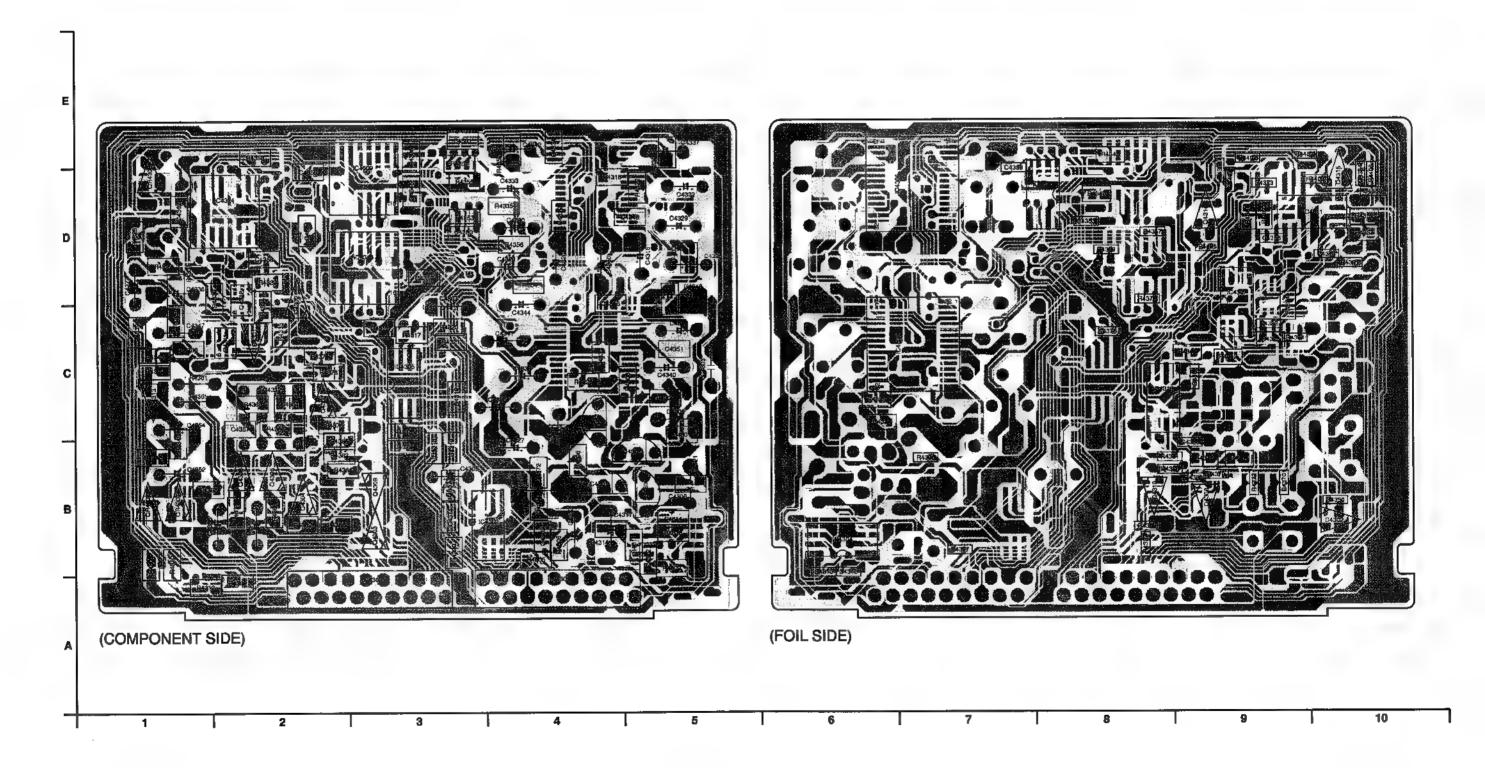


	MEC	MEINAH	DRIVE C.E	LA.
	Transist	OF	IC2715	D-9
	Q2701	E-5	1C6301	C-7
			106302	C-8
	Q2703 Q2704	0-8 D-8	IC6303	B-8
	Q6301	C-8	IC6304	A-8
			IC6305	A-7
	Q6302 Q6303	C-8	106306	A-8
		C-8	IC6501	E-5
	06304	B-8	IC6502	A-2
	Q6305 Q6306	B-8	IC6503	E-12
		B-8	IC6504	E-12
	Q6307	0-7	IC6505	E-12
	Q6308 Q6502	C-8	IC6506	A-11
		D-10	IC6507	D-11
	Q6503 Q6504	B-11 E-1	IC6508	D-10
	Q6505	B-11	IC6509	D-11
	00000	D-11	IC6510	D-11
	Transistor (Resistor	JC6511	E-10
	QR2701	E-8	IC6512	A-10
	QR6301	C-8	IC6513	D-10
	QR6302	C-8	IC6514	A-3
	QR6303	B-8	Total But	
	QR6304	A-7	Test Poi	nı,
	QR6305	B-8	TL2701	D-1
	QR6306	A-8	TL2702	0-1
	QR6307	B-8	TP2701	D-1
	QR6308	B-8	TP2702	D-1
	QR6309	B-8	TP2703	D-1
	QR6314	C-7	TP2704	D-1
	QR6315	C-8 B-7	TP6501	D-1
	QR6316		TP6502	E-2
	QR6317	C-8	TP6503	E-2
	QR6318	C-4	TP6404	E-3
	QR6501	E-8	TP6505	E-6
	QR6502	D-10	Adjustm	ont
	QR6503	A-10		
	QR6504	B-11	VR2701	E-1
	QR6505	B-10	VR2702	E-1
	QR6506	A-10	VR6501	E-1
	QR6507	A-10	VR6502	E-1
	QR6508	E-6	Connect	or
	QR6511	8-5	-	
	QR6514	A-10	P2701 P2702	B-8
	QR6515	A-10	P2702 P2703	B-10 C-9
	QR6516	E-8	P2703	D-8
	QR6517	E-6	P2704	E-6
	Integrated	Circuit	P6301	B-11
ı	IC2701	D-11	P6302	C-7
	IC2702	D-11	P6303	C-7
	IC2703	A-4	P6501	D-7
	IC2704	B-2	P6502	C-1
	IC2705	E-12	P6503	E-11
	IC2706	E-8	P6504	E-4
	IC2707	D-8	P6505	E-3
	IC2708	C-10	P6506	E-11
	IC2709	C-4	P6507	C-11
	IC2710	C-4	P6508	C-11
	IC2711	C-4	P6509	B-7
	IC2712	C-4	P6510	C-7
	IC2713	D-12	P6514	D-7
	IC2714	D-8	P6520	B-11

ADDRESS INFORMATIO

			AUD	IQ C.B.A.			
Transistor		Q4310	B-8	Integrated Circ	cult	IG4310	D-8
Q4301 Q4302 Q4303 Q4304 Q4305	B-5 C-2 B-3 B-2 B-2	Q4311 Q4312 Q4313 Q4314 Q4315	C-2 D-2 C-1 D-9 D-10	IC4301 IC4302 IC4303 IC4304 IC4305	B-4 B-3 B-5 B-6 C-3	IC4311 IC4312 IC4313 IC4314 IC4315	D-9 C-2 D-3 D-2 C-8 C-4
Q4306	B-2	Transistor & R	esistor	IC4306	D-6	IC4316	C-4
Q4307	C-2	QR4301	B-1	IC4307	D-9	Connector	
Q4308	B-9	QR4302	B-1	IC4308	C-6	P\$4301	A-4
Q4309	8-3	QR4303	D-1	IC4309	E-3	PS4302	A-3

ADDRESS INFORMATION

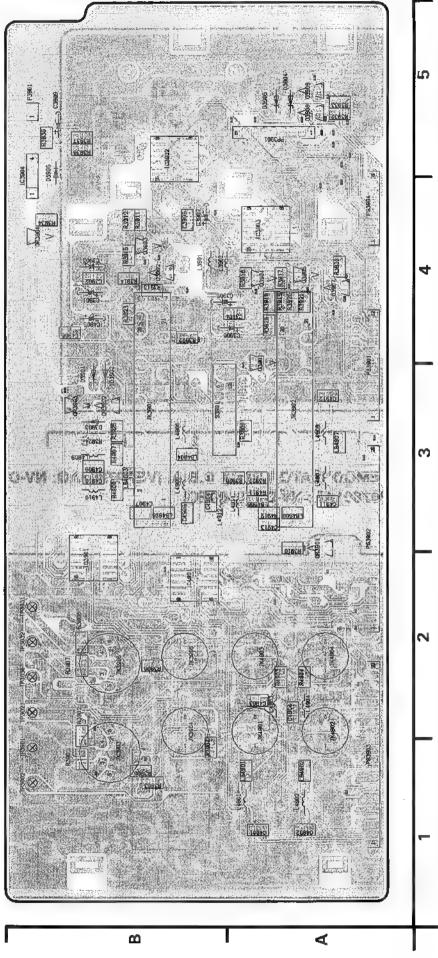


3---119

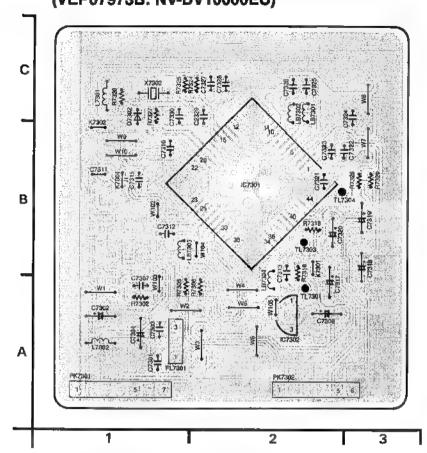
3-120

3-49. INPUT/OUTPUT C.B.A. (VEP03E28A)

			200	INCOLLEGE CENT			
Translator		Transistor & Resistor	esistor	IC3904	84	Connector	
03901	A-3	QR3901	A-3	104901	B-2	P3901	33
03305	4 3	QR3902	ص و م	Test Point		PP3801	φ «
03904	4 4	CRSSOA	2 7	TP3000	ä	PS3901	2 4
03005	4			TP3001	0	PS3903	Α-1
03907	4	Integrated Circuit	当	TP3030	1 2	PS3904	¥
03908	A-5	103901	3	TP3031	B-2		
03909	A-5	103902	φ n m	TP3032	B-2		
		103903	A-4	TP3901	<u>.</u>		



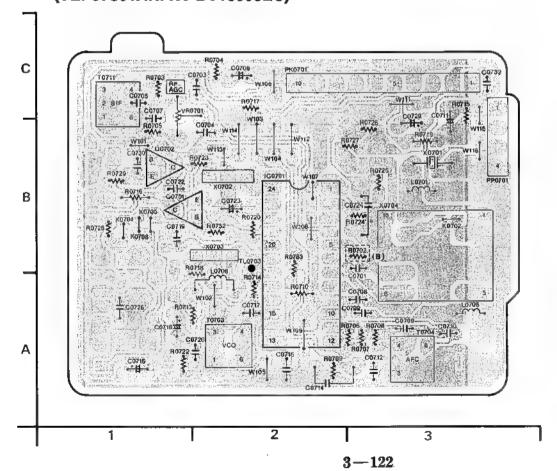
3-50. NICAM DECODER PACK C.B.A. (VEP07973A: NV-DV10000B) (VEP07973B: NV-DV10000EC)



NICAM DECC C.B.A.	DER PACK								
Integrated Ci	rcult								
IG7301	B-2								
IC7302	A-2								
Test Point									
TL7301	A-2								
TL7303	B-2								
TL7304	B-2								
Connector									
PK7301 A-1									
PK7302									

ADDRESS INFORMATION

3-51. TV DEMODULATOR PACK C.B.A. (VEP07801AQ: NV-DV10000B) (VEP07801AR: NV-DV10000EC)



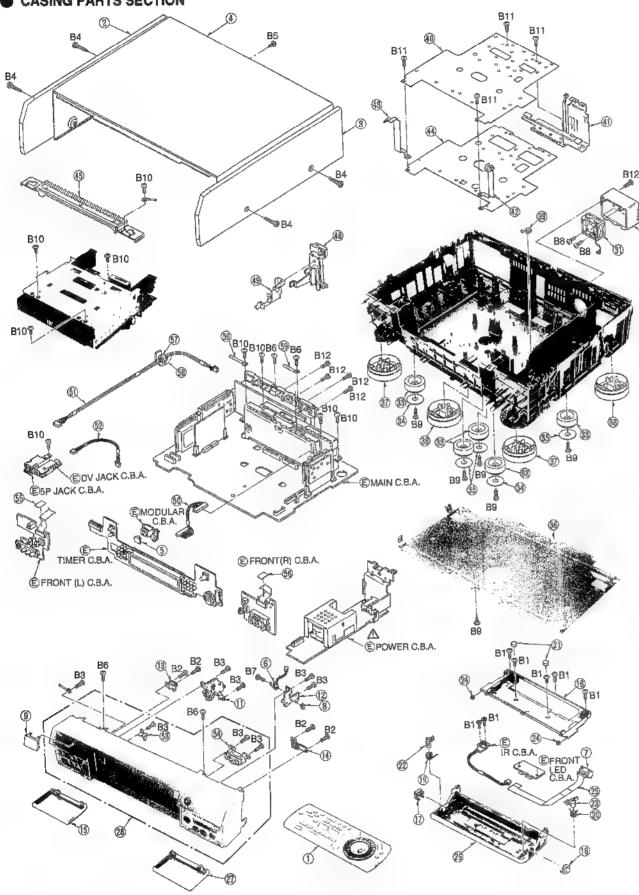
TV DEMODUI C.B.A.	ATOR PACK							
Transistor								
Q0701	B-1							
Q0702	B-1							
Integrated Cir	rcuit							
100701	B-2							
Test Point								
TL0703 B-2								
TL0703 B-2 Adjustment								
T0703	A-2							
T0704	A-3							
T0711	C-1							
VR0701	G-1							
Connector								
PK0701	C-2							
PP0701	C-3							

ADDRESS INFORMATION

SECTION 4 EXPLODED VIEWS & PARTS LIST

4-1. EXPLODED VIEW & MECHANICAL REPLACEMENT PARTS LIST

CASING PARTS SECTION

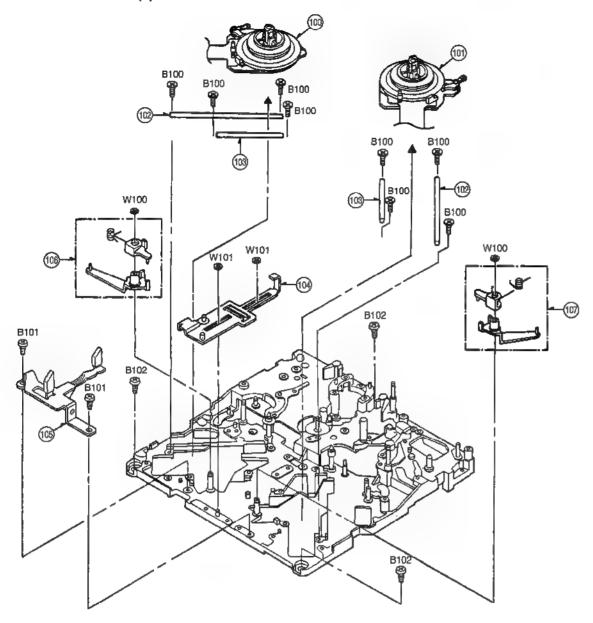


4-1

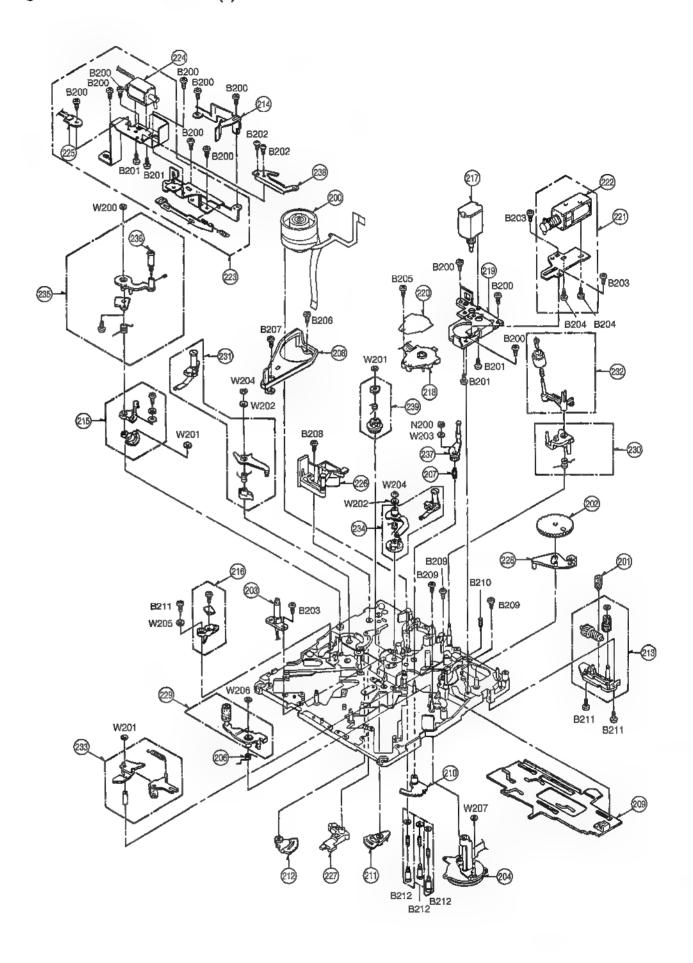
Note: 1. *Be sure to make your orders of replacement parts according to this list.	Ref. No.	Part No.	Part Name ■ DescriptionPc	Remarks
2, IMPORTANT SAFETY NOTICE				
Components identified with the mark A have the special characteristics for safety. When replacing any of these components, use only the same type.		_		· -
any or triese components, use only me same type.				

			. 1					\vdash	
Ref. No.	Part No.	Part Name 🖩 DescriptionP	CE	Remarks	ļ			H	
			_						
1	EUR571503	EDITING CONTROLLER	1	<u>.</u>				<u> </u>	
2	VGK2447	SIDE PANEL (L)	1						
3	VGK2448	SIDE PANEL (R)	1					Ī	
4	VGH1493	TOP PANEL	1						
	VG04455		1						
			1			-			
	V\$P1082		_		_				
	VGQ2807		1					<u> </u>	
	VJF0498		_1					_	
9	VKW2399	IR WINDOW	1						
11	VXA6018	DOOR ANGLE (L) ASS'Y	1					L	
12	VXA6019	DOOR ANGLE (R)	1						
13	VXA6045	DAMPER ANGLE (L) ASS'Y	1	·					
	VXA6046		1						
			1						
	VYF2579		\neg						
	VGP4571		1						
17	VGU7567	2007 0011011	1	<u> </u>					
18	V6U7568	LOCK BUTTON (R)	1						
19	VMB3186	LOCK LEVER SPRING (L)	1						
	VMB3187	LOCK LEVER SPRING (R)	1						
	VMG0837		2			i i			
	VML3269		1						
	VML3270		1		· · · · · · · · · · · · · · · · · · ·		· -		
			_		—				
	VMT0212		2	nanco baros	<u> </u>		-	-	
	V#J1199			P7752-P7504	<u> </u>			-	
26	VYF2577	DOUGHT TOP I HOS I	1					_	
27	VYF2569	DOOR (R) ASS'Y	1	AG-DV2700E				\perp	
27	VYF2570	DOOR (R) ASS'Y	1	AG-DV2700B					
	VYP7098	FRONT PANEL (1) ASS'Y	1						
	VRF0087		1		-				
	VKF3003		1						
		-	i	_					
	VKA0301		_					\vdash	
	VMG1031		2						
35	VMG1049	LEG SHEET B	3						
36	VKU0528	BOTTOM PLATE	1					L	
37	VKA0310	LEG (F)	2						
38	VKA0311	LEG (R)	2					-	
	VMC1085		1					-	
_	VMZ2721		1				–		
	VSC4795		1						
			-					\vdash	
	VSC4756		1					⊢	
43	VSC4757		1					⊢	
44	VSC4691	SHIELD PLATE	1					ļ	
45	VXA6178	TOP ANGLE ASS'Y	1		1			L	
48	VJR0979	ANTENNA JACK PLATE	1						
49	VMC1213	ANTENNA EARTH SPRING	1						
50	VEE0C24	WIRE CABLE (14P)	1	P2705-P2502					
	· · · · · · · · · · · · · · · · · · ·	WIRE CABLE (6P)	-	P3701-P7651	-	-		Η.	
	VEE0026		-		-				
	VEE0C25		_	P3781-P6601				-	
	VMC1374		ŀ		ļ				ļ
	VXU1478		1					_	
55	VMZ2868	BARRIER (C)	1						
58	YMZ2869	BARRIER (D)	1					L	
	VSQ0667		1						
	VMT0442		1						
			2			 			
59	VJR3	WIRE CLAMPER	Z					\vdash	
			_			-		\vdash	
			_			-		<u> </u>	
					L			_	
B 1	XQN26+AG6FZ	SCREW	7			l			
B2	XTN26+68FZ	SCREW	4					L	
	XTN26+8GR	SCRET	8						
	X7B3+160FC	SCREW	4			l		·	
B5	XTV3+8GFZ	SCREW	1			1		\vdash	1
			_					\vdash	
	XTW3+12TR	SCREW	4			<u> </u>		-	
B7	XSN2+6		1					<u> </u>	
	XTV3+20GR	SCREW	2		L			\vdash	
	XTV3+86	SCREW	8					L	
	XTV3+10GR	SCREW	θ						
	XTV3+6GFZ	SCREW	4						
B12	XTV3+8GFZ	SCREW	6		1			\vdash	
	ATTOTOR'S	= v. Gall	w		1			-	ļ

CHASSIS PARTS SECTION (1)



2. (МР Соп	ORTANT SAFET) oponents identified	i with the mark 🔔 have the special ch			Ref. No.	Part No.	Part Name Description	Pes	Remarks
any	of these compone	nts, use only the same type.						\vdash	
			_				-		
Ref. No.	Part No.	Part Name & Description	Pes	Remarks					
								┡	
100	VEM0638	S-REEL MOTOR (1) ASS Y	_	<nd< td=""><td></td><td></td><td></td><td><u> </u></td><td></td></nd<>				<u> </u>	
101	VEW0639	T-REEL MOTOR (1) ASS'Y	_	<nd< td=""><td></td><td></td><td></td><td><u> </u></td><td></td></nd<>				<u> </u>	
102	VMS8462	OUTER SHAFT	2					╙	
103	VMS5924	REEL INNER RAIL	2						
104	VXA6005	SLIDE ROD (1) ASS'Y	1						
105	VXA6006	REEL RELEASE ANGLET ASS'Y	-1						
108	VXL2589	S BASE DRIVE ARM ASS'Y	1						
107	VXL2590	T BASE DRIVE ARM ASS'Y	j		:				
-									
B100	VHD0995	SCREW	8						
B101	XQN2+CF3	SCREW	2					Г	
8102	XSB26+4FX	SCREW	3					Г	
	_								
W100	VMX1079	OUT WASHER	2						
W1 01	VMX1394	CUT WASHER	2					П	



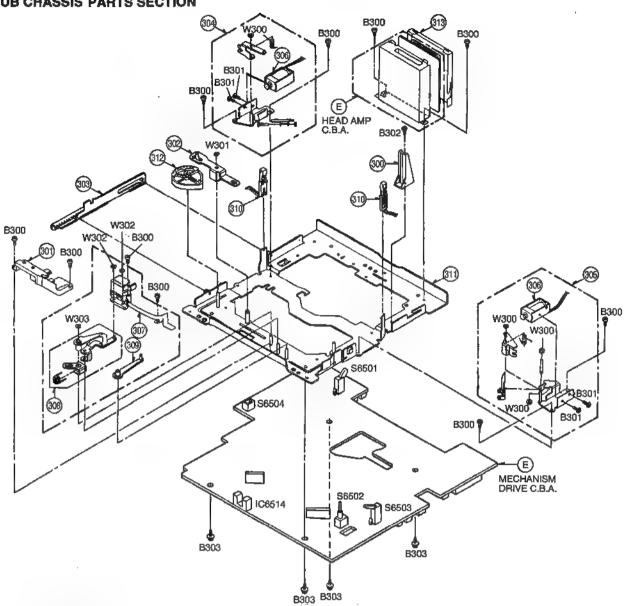
Note: 1. "Be sure to make your orders of replacement parts according to this list.
2. IMPORTANT SAFETY NOTICE
Components identified with the mark \(\Delta\) have the special characteristics for safety. When replacing

. , .		its, use only the same type.		ı
			_	
Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
			٠.	AIN
200	VEG1440	CYLINDER UNIT	╁	(N)
201	VDG1168	MOTOR WARM GEAR MAIN CAM GEAR	+	<₩>
202	VEK8323	LED HOLDER (1) ASS'Y	1	/m/
203	VEN0640	CAPSTAN (1) ASS'Y	H	(M2)
204	VMB2933	PINCH RELEASE SPRING	1	UM2
207	VMB2950	T4 THRUST SPRING	Ť	
208	VMD2533	LOADING RAIL	1	
209	VXA5563	MAIN ROD ASS'Y	1	
210	VXA5564	T4 SECTOR GEAR ASS'Y	1	
211	VXA5567	S SECTOR GEAR ASS'Y	1	
212	VXA5570	T SECTOR GEAR ASS'Y	1	
213	VXA5627	THRUST SHAFT HOLDER ASS'Y	1	
214	VMD3475	T1 GUIDE ASS Y	1	
215	VXA5791	TENSION LEG SPRING HOOK	- 1	
216	VXA5820	TENSION SENSOR ASS'Y	1	
217	VEM0645	LOADING MOTOR (1) A ASS'Y	_	dD
218	VES0814	MODE M ASS Y	1	⟨II ⟩
219	VMA9799	MOTOR ANGLE	1	
220	VMZ2737	MODE SW COVER	1	
221	VXA6009	PINCH SOLENOID BASE (1)	1	_
222	VSJ0217	PINCH SOLENOID	1	
223	VXA8010	CLEANER BASE (1) ASS'Y	1	
224	YSJ0222	CLEANING SOLENOID	-	(N)
225	VEK7927	INSULLATION SENSOR	1	din .
226	VXA6052	S POST BASE A ASS'Y	1	⊲N>
227	VXL2838	TEN REG. TURN ARM ASS'Y	1	
228,	VXL2889	MAIN CAM ARM ASS'Y	. 1	716
229	VXL2835	PINCH ARM ASS'Y	1	<wd< td=""></wd<>
230	VXL2870	T2 ARM ASS'Y	-	200
231	VXL2709	SI LOADING ARM ASS'Y	1	<nd< td=""></nd<>
232	VXL2748	CLEANING ARM A ASS'Y	1	<n></n>
233	VXL2776	PINCH TURN ARM (1) ASS Y	-	KMD
234	VXL2839	T LOADING ARM ASS Y	1	CM2
235	VXL2831	TENSION ARM # (1) ASS'Y TENSION ROLLER	·	
236	VXP1761 VXL2806	T4 ARM (1) ASS'Y	' '	
237	VMA9753	STOPPER	1	
239	VXP1683	T4 CONNECTION GEAR ASS'Y	1	
208	*At 1000	- COMMENT OF GEAR AND T	+-'	-
	-		\vdash	
		 	\vdash	
B200	XQN2+CF3	SCREW	11	-
B200	XQN2+A2	SCREW	''A	
8202	XQN14+CF3	SCREW	2	
B203	XQN2+AM2	SCREW	3	
B204	VH01101	SCREW	2	
8205	XQN2+CF6	SCREW	1	
B206	XQN2+AM4	SCREW	1	
8207	XQN2+A3	SCREW	1	
B208	XQN2+CF5	SCREW	1	
B209	XQN2+A35FZ	SCREW	3	
B210	VHD0356	SCREW	1	
8211	XQN2+CF4	SCREW	3	
8212	VXQ0439	SCREW	3	
	1		Γ	
			T	
		-		
W200	VMX0967	CUT WASHER	1	
W201	VMX1061	WASHER	3	
W202	XWGV152320	WASHER	2	
W203	XWE16VW	WASHER	1	
W204	XUC12FP	E-RING	7 2	
W205	XWE2	WASHER	[1	
W206	VMX1078	CUT WASHER	1	
W207	XWA2B	WASHER	1	
	T		Γ	
Noce	VHN0312	NUT	1	1
N200				

Ref. No. Part No. Part Name & DescriptionPos

Remarks

9 SUB CHASSIS PARTS SECTION



Note: 1. "Be sure to make your orders of replacement parts according to this list.

2. IMPORTANT SAFETY NOTICE

Components identified with the mark. A have the special characteristics for safety. When replacing any of these components, use only the same type.

			_		W301	VMX 0553	GUI WASHER	.1 1	1
			_		W302	VMX1548	CUT WASHER	2	
Ref. No.	Part No.	Part Name & Description	Pc	Remarks	W303	VMX1079	CUT WASHER	1	
300	VMD3019	TRAY STOPPER A	-1			4		Т	
301	VMD2853	MIC STOPPER	1					Т	
302	VML3292	COMMUNICATION ARM	1					Т	
303	VML3293	TRAY CONNECTION ROD	1						
304	VXA5575	S-BRAKE SOLENOID BASE	1				1	Т	
305	VXA5887	T-BRAKE SOLENOID BASE	-1		1			Т	
306	VSJ0216	BRAKE SOLENOID	2	<n></n>				I	
307	VXA6012	MIC CONNECTOR (1) ASS'Y	1	""				\mathbb{L}	
30B	VXL2777	MIC DRIVE ARM (1) ASS'Y	- 1						
309	VXL2780	MIC SUBLINK ARM (1) ASS'Y	-1				1	Г	
310	VEK8225	PHOTO SENSOR HOLDER (1)	2				1	Т	
311	VXK1352	SUB CHASSIS (2) ASS'Y	1					Т	
312	VXP1842	LOCK GEAR (1) ASS'Y	1					Т	
313	VSC4699	SHIELD CASE B	1					П	
			Ι.						
				•				П	
]					1		Г	
B300	XQN2+CF3	SCREW	10		!			\top	
B301	XQN2+A1.5	SCREW	4					Т	
B302	XQN2+CF4	SCREW	1						
B808	XYN26+J5	SCREW	4						
			1		!			I	

Ref. No

W300

Part No.

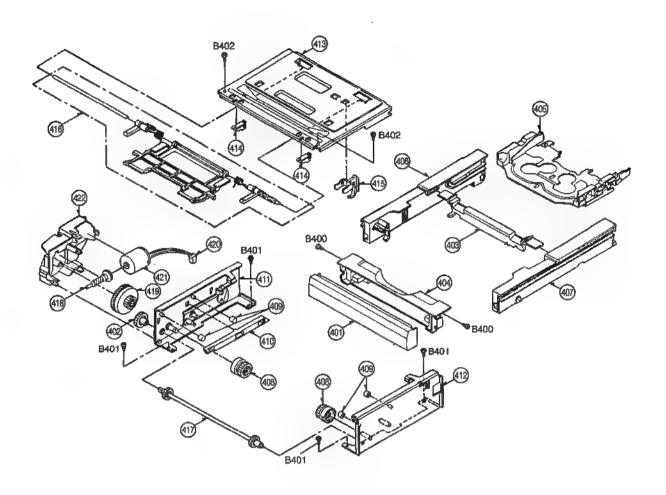
VMX0967

Part Name & DescriptionPcs

CUT WASHER

Remarks

CASSETTE TRAY PARTS SECTION



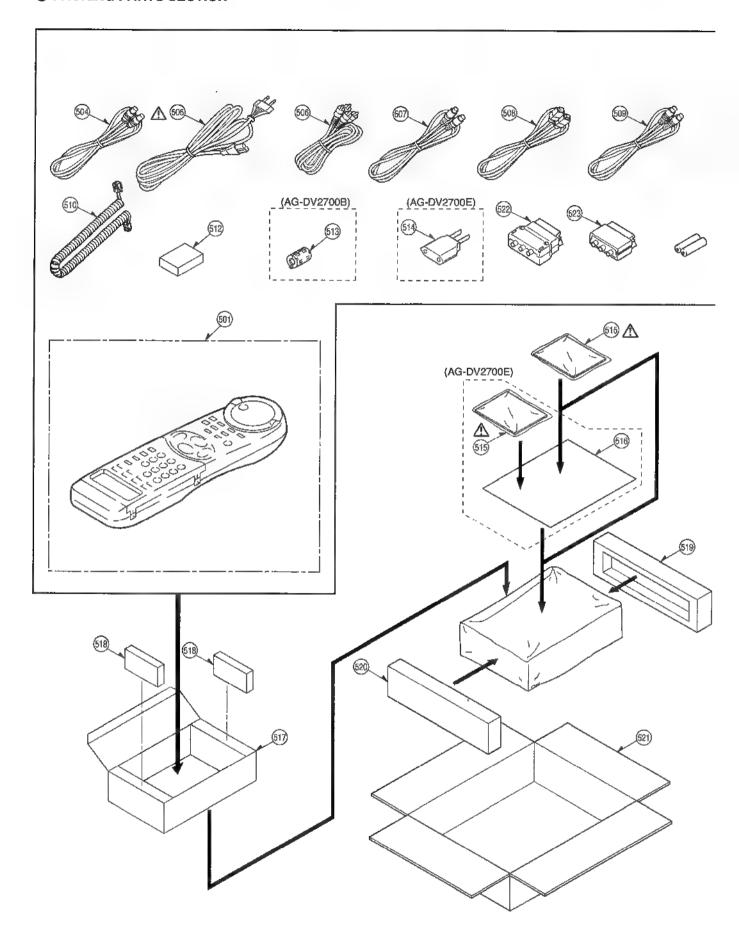
Not	s: 1. *Be sure to make your orders of replacement parte according to this list.
	2. IMPORTANT SAFETY NOTICE
	Components identified with the mark 🛆 have the special characteristics for safety. When replacing
1	any of these components, use only the same type.

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						1		
Ref. No.	Part No.	Part Name & Description	Pos	Remarks				
401	VGP4573	TRAY FRONT PANEL	1					
402	VDG1263	SYNCHRO. DRIVE GEAR	1				_	<u> </u>
403	VMD2845	REAR GUIDE	1					
404	VMD2846	FRONT GUIDE	-1					
405	VXA5990	CASSETTE HOLDER ASS' Y	1					
406	VXA5991	S RACK ASS'Y	1		1			
407	VXA5992	T RACK ASS'Y	1				Į	
408	VDG1260	PINION GEAR	2				I	
409	VDP1687	ROLLER	4				l	
410	VMD2847	FRONT PROJECTION	1					
411	VXA6023	SIDE PLATE (S)	1				L	
412	VXA6024	SIDE PLATE (T)	1				Ļ	
413	VMA9797	CASSETTE COVER	1				1	
414	VMD2849	TOP GUIDE	2					
415	VML3286	COVER OPEN LEVER	1				l	
416	VXA5999	BOOSTER (1) ASS'Y	1				l	
417	VXA6000	TRAY DRIVE SHAFT ASS'Y	1				Ł	
418	V061264	WORM GEAR	1				L	
419	V0G1265	WORM FOIL GEAR	1				l	
420	VEE0B83	MOTOR WIRE CABLE	1				L	
421	VEM0644	TRAY MOTOR	-1				L	
422	VMD2850	GEAR BOX	1		i			
			Ī				ı	
			Γ					
			Γ					
B400	XTB20+5JFZ	SCREW	2					
B401	XSN2+3R	SCREW	4					
B402	XTB2+35FFY	SCREW	2				1	

Part Name & DescriptionPos

Part No.

Remarks



Note: 1. *Be sure to make your orders of replacement parts according to this list.
2. IMPORTANT SAFETY NOTICE
Components identified with the mark △ have the special characteristics for safety. When replacing any of these components, use only the same type.

	any of these components, use only the same type.							\vdash	
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Ref. No.	Part Ho	Part Name & Description	Per	Remarks				\vdash	
1104, 1104	I WA V EU,		Ţ. <u>Ÿ.</u>						
501	EUR571414	REMOTE CONTROLLER	1						
504	VJA0658	S-VHS CABLE	1						
<u> </u>	VJA0940	AC CORD	1						
<u>↑</u> 505	VJA0754	AC CORD	-	AG-0V2700E				\vdash	
<u> </u>	VJA1059	AC CORD	-	AG-DV2700E				\vdash	
506 507	VJA0788 VJA0963	AV OUTPUT CABLE DIN RF CABLE	1	AG-DV27008				\vdash	
508	VJA1011	DV CABLE	 '						
509	VJA0787	EDIT 5P CABLE	1						
510	VJA1045	CONTROLLER CABLE	1						
512	VFK1451	VIDEO HEAD CLEANING TAPE	1						
513		FERRITE CORE	_	AG-DV27G0B				_	
514	VJP2974	AC PLUG ADAPTOR	1						
A 515	VQT7776	OPERATING INSTRUCTION		(ENGLISH) AG-DV2700E (GERMAN) AG-DV2700E				-	
<u>A</u> 515 <u>A</u> 515	VQT7777 VQT7778	OPERATING INSTRUCTION OPERATING INSTRUCTION	1						
∆ 515 ∆ 515	VQT7778	OPERATING INSTRUCTION		(ITALIAN) AG-DV2700E	—				
<u>A</u> 515	VQT7782	OPERATING INSTRUCTION	1						
<u>A</u> 515	VQT7781	OPERATING INSTRUCTION	1						
A 515	VOT 7780	OPERATING INSTRUCTION	1						
<u> </u>	VQT7783	OPERATING INSTRUCTION	-	AG-DV2700B					
516	VPN5090	PAD	1		ļ			_	
517	VPK2204	ACCESSORIES PACKING	1		ļ			\vdash	
518	VPN4999	SPACER (D)	2					-	
518 520	VPN4748 VPN4749	CUSHION (R) CUSHION (L)	1					-	<u></u>
521	VPG9745	PACKING CASE	_	AG-DV2700E				-	
521	VPG9744	PACKING CASE	_	AG-DV2700B		_			
522	VFA0151	AV ADAPTOR (IN)	1						
523	VFA0183	AV ADAPTOR (OUT)	1						
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Part Name & DescriptionPos

Remarks

Part No.

Ref. No.

4-2. ELECTRICAL REPLACEMENT PARTS LIST

- Note: 1. Be sure to make your orders of replacement parts according to this list.

 2. IMPORTANT SAFETY NOTICE: Components identified with the mark △ have the special characteristics for safety. When replacing any of these components, use only the same type.

 3. Unless otherwise specified,
 All resistors are in OHMS, K=1,000 OHMS. All capacitors are in MICROFARADS (uf), P=uuF,
 4. The P-C. Board units marked width show below the main assembled parts.

 5. The marking (BT) indicates the retention time is limited for this ferm.

		marked width "#" show below the main ticalers the relention time is limited for		•		VEP03E27A	ANALOG G. B. A.
		on of this essembly in production, it wi			l	VEP03E28A	INPUT/OUTPUT II
	T			<u> </u>	1		
Ref. No.	Part No.	Part Name & Description	Pc:	Remarks	[<u> </u>	VEP03E2BA	REAR JACK C.B.
	VEP06040A	MAIN C. B. A.	1	(RTL) AG-DV2700E		VEP07801AR	TV MODULATOR P
	VEP06C40B	MAIN C. B. A.	1	(RTL) AG-DV27008			
_	VEP03E27A	ANALOG C. B. A.		(RTL) INCLUDED IN	l⊢—'	VEP07801AQ	TV MODULATOR P
	VEFVJEZIA	ANALOG C. S. N.		VEP06E40A/B	ı .	VEP079738	NICAM DECODER
•	VEP03E28A	INPUT/OUTPUT C. B. A.	1	(RTL) INCLUDED IN			
	HEDDOCEOU A	DE ID HOME D. D. A.	ļ,	VEP06E40A/B	<u> </u>	VEP07973A	NIGAM DECODER (
	VEP03E29A	REAR JACK C. S. A.	-1	(RTL) INCLUDED IN VEPOSE28A/B		VEP08C89A	MOTOR DRIVE C. I
	VEP07801AR	TV DENODULATOR PACK C. B. A.	1	-		TET COUDEN	MOTOR BRITE OC
				INCLUDED IN VEPOSE40A		VEP03E55A	DIGITAL C.B.A.
_	VEPG7801AQ	TV DEMODULATOR PACK C. B. A.	1	(RTL) AG-DV2700B	li—	D LUTOA ARROND	
	VEP079738	NICAM DECODER C. B. A.	1	(RTL) AG-DV2700E	·	VEP04869B	AUDIO C. B. A.
		7	<u> </u>	INCLUDED IN VEPORE40A			
	VEP07973A	NICAM DECODER C. B. A.	1	(RTL) AG-DV2700B			
_	LIFTARRADA	MATAR RRIVE & R. A.	Ļ	INCLUDED IN VEPORE408	_	4 -	C. CAPACITOR CH
-	VEP08089A	MOTOR DRIVE C. B. A.	1	(RTL) INCLUDED IN VEPOBE40A/B	C0704 C0705		C. CAPACITOR CH
-	VEP03E55A	DIGITAL C. S. A.	1	(RTL) INCLUDED IN	00708		E. CAPACITOR
				VEP06E40A/B	00707, 08	ECUX I H1 03 ZFV	C. CAPACITOR III
	VEP04869B	AUDIO C. B. A.	1	(RTL) (NCLUDED IN	C0709		C. CAPACITOR
	!			VEPOSE40A/8	00710	ECEA1CKA220	C. CAPACITOR CH
	VEP05351A	HEAD AMP C. S. A.	1	(RTL)	00711		C. CAPACITOR CH
					00714		P. CAPACITOR
	VEP025578	MECHANISM DRIVE C.B.A.	_1	(RTL)	C0715		C. CAPACITOR CH
	VEP07877A	TIMER C. B. A.	1	(RTL)	00716	ECEATCKA470	
	VEPU/B//A	TIMER D. B. M.	_	(M)L1	C0717 C0718	ECEA1HKSR47	C. CAPACITOR CH
	YEP04695A	FRONT (L) C, B, A,	1	(RTL)	C0719		C. CAPACITOR
					C0720	ECUX I HI 03ZFV	C. CAPACITOR CH
	VEP04898D	FRONT (R) C. B. A.	1	(RTL)	00722		C. CAPACITOR CH
	VEP07966A	MODULAR C. B. A.	1:	(RTL)	C0723	ECEATHKAORT ECQB1H473JF	E. CAPACITOR P. CAPACITOR
	727 777 247		_		C0728		C. CAPACITOR CH
	VEP07965A	FRONT LED C.B.A.	1	(RTL)	C0729	ECEA1CKA100	É. CAPACITOR
_	LUTIONAGO	15.65	_	(mm)	00730		C. CAPACITOR CH
•	VEP079888	IR C. B. A.	1	(RTL)	C0732 C1001		C. CAPACITOR CH E. CAPACITOR 6
•	VEP03E18A	5P JACK C. B. A.	1	(RTL)	01002	ECEATAKS470	
					01003	ECEAOJKS101	E. CAPACITOR 6
•	VEP07867A	DV JACK C. S. A.	1	(RTL)	01004	ECEA1AKS470	
	VEP01814A	POWER SUPPLY C. B. A.	1	(RTL)	C1009 C1010	ECEATAKS221 ECEATHKA010	
		1 4 MERT 400 1 CT 4. D. 21.	Ė	11727			C, CAPACITOR CH
					01013	ECUX1H473KBN	C. CAPACITOR CH
	ENG47288G1	TUNER	_1	AG-DV2700E	C1014		C. CAPACITOR CH
	ENG4728961	TUNER	1	AG-DV2700B	C1018	ECEATHKS010	G. CAPACITOR CH
		,	Ť	174 0127000	01019		C. CAPACITOR CH
01	XBA2C18TH15	FUSE	1		01022	ECEA1HKS010	E. CAPACITOR
			_		C1023	-	C. CAPACITOR CH
			-		C1024 C1025	ECENTULOSKEN	E. CAPACITOR C. CAPACITOR CH
			-		C1028		C. CAPACITOR CH
					C1027	ECEA1CKS100	
					C1028		E. CAPACITOR
					C1028		C, CAPACITOR OH
	-		\dashv		C1030 C1031		E. CAPACITOR C. CAPACITOR
					C1032		E. CAPACITOR
					01033, 34	ECEA1HKS010	
						ECEACUKS101	
			_		C1041 C1042	ECEATHKSOTO	C. CAPACITOR CH -
· · · — i			-		V1042	FOEKIRKSOID	L. UNFAUTTUR

31				
Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	VEP08C40A	MAIN C. B. A.	1	(RTL) AG-DV2700E
	VEP06C40B	MAIN C. B. A.	1	(RTL) AG-DV2700B
	VEP03E27A	ANALOG C. B. A.	1	(RTL) INCLUDED IN
			<u> </u>	VEP08G40A/B
	VEP03E28A	INPUT/OUTPUT II. B. A.	1-1-	(RTL) INCLUDED IN
_	VEP03E2BA	REAR JACK C. B. A.	1	VEPOSC40A/B (RTL) INCLUDED ■
	TO GOLLON	NEWS WHAT O, D. N.		VEP03E28A
	VEP07801AR	TV MODULATOR PACK C. B. A.	1	(RTL) INCLUDED IN
				VEP06C40A
	VEP07801AQ	TV MODULATOR PACK C. B. A.	1	(RTL) INCLUDED IN
				VEP06C40B
	VEP079738	NICAM DECODER C. B. A.	-1	(RTL) INCLUDED IN
<u> </u>		LI CALL GEOGRAPE A G		VEP08C40A
	VEP07973A	NICAM DECODER C. B. A.		(RTL) INCLUDED
	VEP08C89A	MOTOR DRIVE C. B. A.	1	VEP06C408 (RTL) INCLUDED IN
	YET OUGSA	MOTOR DRIVE O. D. A.	-i	VEP06C40A/B
	VEP03E55A	DIGITAL C. B. A.	1	(RTL) INCLUDED IN
			Ť	VEP08040A/B
	VEP04869B	AUDIO C. B. A.	1	(RTL) INCLUDED IN
				VEP08C40A/8
	-	C. CAPACITOR CH 50V 0, 01U	3	
C0704	 	C. CAPACITOR CH SOV 330P	1	
00705	-	C. CAPACITOR III 50V 180P	1	
C0706 C0707, 08	ECEATHKAORT ECHATHLOSZEV	E. CAPACITOR SOV 0.1U C. CAPACITOR III SOV 0.01U	2	
C0707, 08 C0709		C. CAPACITOR III 50V 0.010	1	
00710		C. CAPACITOR CH 50V 47P	1	
00711		E. CAPACITOR 16V 22U	7	
C0712	ECUX IN 1032FV	C. CAPACITOR CH 50V 0.01U	1	
C0714	ECQ81H473JF	P. CAPACITOR 50V 0. 047U	1	
C0715	ECUMINIOSZFN	C. CAPACITOR CH 50V 0. 01U	-1	
C0716	ECEA1CKA470	E. CAPACITOR 16V 47U	U	
00717	ECUX1H270JPV	C. CAPACITOR CH 50V 27P	1	
C0718		E. CAPACITOR 50V 0. 47U	1	
C0719		C. CAPACITOR = 50V 18P	1	
C0720 C0722		C. CAPACITOR CH 50V II. 01U	1	
00722	ECEATHKAOR1		1	
00724	EOQB1H473JF	P. CAPACITOR 50V 0. 047U	1	
C0728		C. CAPACITOR CH 50V 0. 01U	1	
C0729	ECEA1CKA100	E. CAPACITOR 15V 10U	1	
C0730	ECUX1H103ZFV	C. CAPACITOR CH 50V 0. 01U	1	
00732	ECUX1H103ZFV	C. CAPACITOR CH 50V 0.01U	1	
01001	ECEAOJKS101		1	
01002	ECEATAKS470		1	
C1003		E. CAPACITOR 6.3V 100U	1	
C1004 C1009	ECEATAKS470 ECEATAKS221	E. CAPACITOR 10V 47U E. CAPACITOR 10V 220U	1	
01009	ECEATHKA010	II. CAPACITOR TOV 2200	1	
		C. CAPACITOR CH 50V 0. 01U	2	
C1013		C. CAPACITOR CH 50V 0. 047U	1	
C1014		C. CAPACITOR CH 50V 0.01U	1	
C1018	ECUM1H104ZFN	G. CAPACITOR CH 50V 0.1U	1	
C1018		E. CAPACITOR 50V 1U	1	
01019		C. CAPACITOR CH 50V 0.1U	1	
01022		E. CAPACITOR 50V 1U		
C1023	_	C. CAPACITOR CH 50V 0. 01U	4	
C1024 C1025	ECEATCKS470	E. CAPACITOR 18V 47U	1	
C1028		C. CAPACITOR CH 50V 0, 01U C. CAPACITOR CH 50V 6800P	1	
C1027	ECEATOKS100	E. CAPACITOR OF SOV BACOF	1	
C1028	ECA1CM332	E. CAPACITOR 16V 3300U	1	•
C1028	-	C, CAPACITOR OH 50V III. 01U	1	
C1030	ECA1CM332	E. CAPACITOR 16V 3300U	1	
C1031	ECUM1H1042FN	C. CAPACITOR III 50V 0. IU	1	
C1032	ECA1CM332	E. CAPACITOR 16V 3300U	1	
	ECEA1HKS010	E. CAPACITOR 50V 1U	2	
	ECEACUKS101	E. CAPACITOR 8.3V 100U	6	
C1041		C. CAPACITOR CH 50V 0. 01U	4	
C1042	ECEA1HKS010	E. CAPACITOR 50V 1U	4	
			+	

								_	
Ref. No.	Part No.	Part Name & DescriptionPcs	Remarks	Ref. No.	Part No.	Part Name & Desci	ription	Pcs	Remarks
01043		E. CAPACITOR 6, 3V 100U 1	Nonda Ko			C, CAPACITOR CH 50V		2	
						E. CAPACITOR 16V	1000	_	
C1045		E. CAPACITOR 6.3V 100U 1						-	
CI 047, 48	ECEAOJKS101	E. CAPACITOR 6.3V 100U 2		03001		C. CAPACITOR CH 10V	10	1	
C1 049	ECUMINIO4ZFN	C. CAPACITOR CH 50V D. 1U 1		C3002	ECUX1H103ZFV	C. CAPACITOR CH 50V	0.010	.1	
C1050, 51	ECEA1CK\$101	E. CAPACITOR 18V 100U 2		03003	ECSTOJY106Z	T. CAPACITOR CH6, 3V	100	1	
01054-55	EOWIH103KBN	C. CAPACITOR CH 50V 0.01U 2		C3004, 05	ECUX1C105ZFN	C. CAPACITOR OH 16V	10	2	
C1056		E. CAPACITOR 16V 47U 1		C3006		C. CAPACITOR CH 50V	0.010	1	*
						C. CAPACITOR III 16V	IV	2	·
C1057	-	C. CAPACITOR M 50V 0, 01U 1						-	
C1058	ECEA1EKS330	E. CAPACITOR 25V 33U 1				C. CAPACITOR CH 16Y	0, 10	3	
C1059	ECUMIN103KBN	C, CAPACITOR CH 50V 0.01U 1		03013	ECUX1R103ZFV	C. CAPACITOR III 50V	0. 01U	1	· ·
01080		E. CAPACITOR 6. 3V 47U 1		C3D14	ECSTOJY108Z	T, CAPACITOR CH6. 3V	100	1	
	_		-	C3015		T. CAPACITOR CH 16V	3, 30	1	
C1061								-	··-
C1062	ECEA1EKS330	E. CAPACITOR 25V 33U 1		C3016		C. CAPACITOR CH 50V	■. 010	1	
01083	ECEAOJKS101	E. CAPACITOR 6.3V 100U 1		C3017	ECSTOJY106Z	T. CAPACITOR CH6, 3V	100	1	
C1064	ECUMIH104ZFN	C. CAPACITOR IIII 50V II. 1U 1		C3018	ECUX1H103ZFV	C. CAPACITOR CH 50V	0. 01U	1	
02002-04	ECUM1C104ZEN	C. CAPACITOR III 16V D. 1U 3		C3019	ECSTOJY106Z	T. CAPACITOR CHO. 3V	100	1	
		C. CAPACITOR CH 50V 12P 2		C3020		C. CAPACITOR CH 16V	11	1	
						T. CAPACITOR CH 16Y	3. 3U	1	
1/2007-09		C. CAPACITOR CR 16V D. 1U 3		C3021	-			-	
02010	ECSTOJD107Z	T, CAPACITOR CH6. SV 100U 1		C3023		C, CAPACITOR III 50V	680P	1-1	
C2011-13	ECUMICIO4ZFN	C, CAPACITOR CH 16V 0.1U 3		63024	ECUX1R152KBV	C CAPACITOR CH 50V	1500P	Ţ	
		C. CAPACITOR CH 50V 0.01U 2		03025	ECUX1H270JCV	C. CAPACITOR CH 50V	27P	1	
		T, CAPACITOR CH 35V 3.3U 2		C3026		C. CAPACITOR CH 50V	22P	1	
						C. CAPACITOR III 50V	15P	H	
C2018		C. CAPACITOR CH 16V 1U 1		C3027				۲,	
C2019	ECUX 1H1 02KBV	C. CAPACITOR CH 50V 1000P 1				C. CAPACITOR CH 50V	0.010	3	
C2020	ECSTOJX226Z	T. CAPACITOR CH6. 3V 22U 1		C3031	ECUXTA105KBN	C. CAPACITOR CH 10V	10	1	
02021	ECSTOJY106Z	T, CAPACITOR CH6. 3V 10U 1		C3032	ECSTOJY108Z	T, CAPACITOR CH6. 3V	100	1	
C2022		U. CAPACITOR CH 50V 1000P 1		C3033			0.010	1	
				03034		C. CAPACITOR M 25V		1	
C2023								+	
C2024		II. CAPACITOR CH 50V 0.01U 1		C3035		C. CAPACITOR M 50V		1	
C2025	ECUM1 C1 04ZFN	m. CAPACITOR CH 16V 0.1U 1		C3036	ECDX 1H1 00CCA	C CAPACITOR CH 50V	100	1	
C2026	ECSTOJY106Z	T, CAPACITOR CH6. 3V 10U 1		03037	ECUX1CI 05ZFN	C. CAPACITOR OH 16V	10	1	1
		C. CAPACITOR CH 16V II. 1U 4				C. CAPACITOR CH 50V	100P	2	
						C. CAPACITOR III 16V	10	2	
		T. CAPACITOR CH 35V 3.3U 3						-	
02201.02	ECUMITH104ZFN	C. CAPACITOR CH 50V II. 1U 2		G3042		C. CAPACITOR CH 50V	0. 01U	1	
C2203	ECEAOJKS330	III. CAPACITOR 6, 3V 33U 1		C3043, 44	ECUM1C104ZFN	C, CAPACITOR CH 16V	0. 1U	2	
02204	ECEAOJKS470	E. CAPACITOR 6.3V 47U 1		C3045-48	ECUX TC1 04KBV	C. CAPACITOR CH 16V	0.10	4	
C2205		C. CAPACITOR CH 50V 0. 01U 1		C3049-54		C, CAPACITOR CH 16V	0.10	6	
							0. IU	-	
		C. CAPACITOR CH 50V II. III 2		C3058		C. CAPACITOR CH 16V		-	-
C2209	ECUM1H120JCN	C. CAPACITOR CH 50V 12P 1		C3057		C. CAPACITOR CH 50V	O. 01U	1	
02210	ECUX1H200JON	C. CAPACITOR CH 50V 20P 1		C3Q59	ECUX 1H1 03ZFV	C. CAPACITOR CH 50V	0.010	1	
62211, 12	ECUM1 HOBOCCH	G. CAPACITOR CH 50V 6P 2		C3060	EGUX1H270JGV	C. CAPACITOR CH 50V	27P	-1	
02213		C. CAPACITOR CH 50V 150P I		C3061	ECUX1H220JCV	C. CAPACITOR CH 50V	22P	1	
						C. CAPACITOR CH 16V	0.10	4	
02214								+7	
C2215		C, CAPACITOR III 50V 1000P 1		03067		T, CAPACITOR CH6. 3V	220	₩.	
C2216	ECUM1 H222KBN	C, CAPACITOR E 50V 2200P 1				C. CAPACITOR CH 16V	0.10	5	
02217	ECUMINIO3ZFN	G. CAPACITOR CH 50V 0.01U 1		C3073-77	ECUX1H103ZFV	C. CAPACITOR CH 50V	0.010	5	
02218	ECEAOJK\$101	E, CAPACITOR 8. 3V 100U 1		03078, 79	ECUX 18070CCV	C, CAPACITOR CH 50V	7P	2	
C2222		E. CAPACITOR 6. 3V 47U I		C3080	ECUX1H103ZFV	C, CAPACITOR CH 50V	0.010	T	
				Q3081	_	C. CAPACITOR CH 16V		-	
02223								_	
		C. CAPACITOR III 50V 0.1U 2		03082		C, CAPACITOR CH 50V	100P	1	
C2227	VCE0073	CAPACITOR (N) UNIT 1		C3083	ECUX1C474KBN	C. CAPACITOR CH 16V	D. 47U	1	
C2228	ECEA1AKS221	II. CAPACITOR 10V 220U 1		C3084	ECUX1C224ZFV	III. CAPACITOR CH 16V	0. 22U	1	
02229		C. CAPACITOR IIII 50V 0. 1U 1		G3085	ECUX1H473ZFV	C. CAPACITOR CH 50V	II. 047U	1	
02223		C. CAPACITOR III 50V 0.01U 1		1		C. CAPACITOR CH 50V		-	
						C. CAPACITOR CH 50V		-	
C2233		C. CAPACITOR MI 50V 0.01U 1						-	
C2234		C. CAPACITOR CH 50V 58P 1		03092		C. CAPACITOR CH 50V		-	
C2235	ECUM1H102KBN	C. CAPACITOR CH 50V 1000P 1		C3093-96	ECUX1C105ZFN	C. CAPACITOR CH 16V	10	-	
C2236-41	ECUMIH103ZFN	C. CAPACITOR CH 50V 0.01U 6		03097, 98	ECUM1 C1 04ZFN	C. CAPACITOR CH 16V	Ø. 1U	2	
C2501		C. CAPACITOR CH 50V 0.1U 1		C3099-02	ECUX1CI 04KBV	C. CAPACITOR III 16V	0, 1U	4	
	ECEA1CKA101			C3103		C. CAPACITOR III 50V		_	
								-	
	ECEA1CKA101					C. CAPACITOR III 16V	0. (U	-	
C2507, 08	ECUMIH104ZFN	C. CAPACITOR CH 5QV 0.1U 2		C3108		C. CAPACITOR CH 16V		_	
C2509	ECEA1CKA101	E. CAPACITOR 16V 100U 1		C3109.10	ECUX1H150JCV	C, CAPACITOR CH 50V	15P	2	
C2510		C. CAPACITOR CH SOV 6800P 1		C3111.12	ECUX 1H1 03ZFV	C. CAPACITOR CH 50V	0. 01U	2	
02511		E. CAPACITOR 16V 100U 1				C. CAPACITOR CH 16V	0.10		
		W. W. W. W. W. W. W. W. W. W. W. W. W. W			-	T. CAPACITOR CH6. 3V	100	+	
		C. CAPACITOR CH 50V 0.1U 2						-	
C2514	ECUMINI 03ZFN	C. CAPACITOR CH 50V 0. DIU 1				C. CAPACITOR CH 50V		-	· · · · · · · · · · · · · · · · · · ·
C2515	ECUM1 H1 02K8N	C. CAPACITOR CH 50V 1000P 1		03203, 04	ECUM1C104ZFN	C, CAPACITOR CH 16V	0, 10	2	
		C. CAPACITOR CH 50V 0.1U 2		C3205	ECSTOJY106Z	T. CAPACITOR CH8. 3V	100	1	
			****	C3206		C. CAPACITOR CH 50V	ů. 01U	1	1
02521								_	
02522		C. CAPACITOR = 50V 0.1U 1		C3207		C. CAPACITOR CH SOV		1	
C2523, 24	ECUM1H103ZFN	C. CAPACITOR = 50V 0.01U 2		C3208	ECUMICIO42FN	C. CAPACITOR CH 16V	0. 10	+-	
C2525		C. CAPACITOR CH 50V 6800P 1		03209, 10	ECUX1H103KBV	C. CAPACITOR CH 50V	0.010	2	
C2526		E CAPACITOR 16V 100U 1			-	C. CAPACITOR CH 16V	0.10	-	
				C3214		C. CAPACITOR CH 16V	0, 1U	-	
02527	COUMTH104ZFN	C. CAPACITOR CH 50V 0.1U 1		03214	ESSET OT OMATEN	V. VALAVITVIC VIT 199	ψ, Ιψ	+ '	
								\vdash	
				L				\perp	

Ref. No.	Part No.	Part Name & Description	Pc:	Remarks	Ref. No.	Part No.	Part Name & Description	тΡε	s Remarks
03215		T, CAPACITOR CH6, 3V 10U	1		03362		C. CAPACITOR 25V 1000	_	1
		C. CAPACITOR CH 50V 0.01U	3	 			C. CAPACITOR = 50V 100	-	3
C3219	· · · · · · · · · · · · · · · · · · ·	C. CAPACITOR CH 25V Q. 027U	1				C. CAPACITOR CH6. 3V G. 11	_	4
C3210	!		1						9
		C. CAPACITOR CH SOY 0. 01U	_				C. CAPACITOR CH 50V 100F	_	2
C3221		C. CAPACITOR CH 15V 0.1U	1				C. CAPACITOR CH6. 3V 0. 10	-	5
	-	C. CAPACITOR CH 50V D. D1U	1		C3379	_	C CAPACITOR OF 25V 1000F	_	1
C3223	ECUX1A105KBN	G. CAPACITOR CH 10V 1U	1		C3380	ECSTOJX476Z	T. CAPACITOR CH6. 3V 47L	1	1
C3224	ECSTOJY106Z	T. CAPACITOR CH6. 3V 10U	1		03601	ECUM1H104ZFN	C. CAPACITOR M 50V D. 1L	4	1
03225, 26	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	2		03802	ECEAOJKS470	E. CAPACITOR 6.3V 47L	11	1
03227	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1		C3603	ECUM1H104ZFN	C. CAPACITOR CH 50V 0, 1L		1
03228	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U			C3604	ECEAOJKS470	E. CAPACITOR 6.3V 47U		1
		C. CAPACITOR CH 50V 390P	ſ		C3605	ECAOUM221	E. CAPACITOR 6. 3V 220U	-	1
		C. CAPACITOR CH 50V 0. 01U	+		C3606		C. CAPACITOR CH 50V 0. 010	-	1
		C. CAPACITOR OH 50V 1500P	- <u>†</u>			 		-	
			-		03607		E. CAPACITOR 18V 10L	-	1
		C. CAPACITOR CH SOV O. O1U			C3608	ECACUM331	E. CAPACITOR 6. 3V 330L	-	1
		C. CAPACITOR CH 16V 0.1U	_1		C3609		E. CAPACITOR 16V 10U	+	1
03234, 35	ECUX1H103KBV	C. CAPACITOR CH 50V 0, 01U	2		C3610	ECAOJM331	E. GAPACITOR 6, 8V 380L	止	1
03236	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	_1		C3611	ECEATHKSO10	E. CAPACITOR 50V 1L	1	1
03237, 38	ECUX1H103KBV	C. CAPACITOR CH 50V 0. 01U	2		C3614, 15	ECEATH(\$010	E. CAPACITOR 50V 1L	1	2
C3239	ECSTOJY106Z	T. CAPACITOR CH6, 3V 10U	1		C3616	ECUMINI 03ZFN	C. CAPACITOR CH 50V 0.01L	1	i
		C. CAPACITOR IIII 50V 0.01U	1	-	C3617		E. CAPACITOR 6.3V 100L		1
		C. CAPACITOR III 16V 0.1U	2				C. CAPACITOR CH 50V 0. 01U	-	2
		C. CAPACITOR M 50V M. OIU	1		03620		C. CAPACITOR CH 50V II. 15	-	
			1					+	
			-		C3621	ECQP1392JZ	CAPACITOR (0) UNIT	L	
		T, CAPACITOR CH6, 3V 10U	1		03622		C. CAPACITOR CH 50V 1500P	+	1
		C. CAPACITOR CH 50V 0.01U	1		C3623	ECEAOJKS330		-	·
		T, CAPACITOR CH8. 9V 10U	1		03624	ECEATOKA100	C. OAPACITOR 16V 10U	1	1
	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	2		03625	ECEA1HKGR68	E. CAPACITOR 50V 0. 680	1	1
C3250	ECUXOJ225KBN	C CAPACITOR CH6.3V 2.2U	1		C3626	ECUX1H561JCN	C. CAPACITOR CH 50V 560P		1
C3251-53	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	3		03627	ECEA1AKS221	E. CAPACITOR 10V 220U		
03254	ECUMICIO4ZFN	C. CAPACITOR CH 16V 0, 1U	1		C3628	ECEATEKS4R7	E. CAPACITOR 25V 4, 7U	-	
	_		2		03629		C. CAPACITOR OH 50V 470P	-	
			1		C3630		C. CAPACITOR CH 16V D. 33U	+	
		C. CAPACITOR OH 18V G. 1U	-1					-	
1			+		C3831		C. CAPACITOR CH SOV 0. 01U	-	
$\overline{}$		C. CAPACITOR CH 50V 0, 01U	4		03632	ECOV1H683JL		1	
-		C. CAPACITOR CH 18V 0.1U	_1		03633		C. CAPACITOR CH 50V 1500P	1	
03261	ECUX (H103ZFV	G. CAPACITOR CH 50V 0.01U	1		C3634	ECEATHKS010	E. CAPACITOR 50V 1U	1	
03282	ECSTOJY108Z	T. CAPACITOR CH8. 3V 10U	1		C3701, 02	ECUM1C104ZFN	C. CAPACITOR CH 16V 0.1U	2	2
03263	ECUX1H270JCV	C. CAPACITOR CH 50V 27P	-1		C3703	ECUX1H102KBV	C. CAPACITOR CH 50V 1000P	1	1
C3267	ECUX1H103ZFV	C. CAPACITOR CH 50V 0, 01U	1		03704-06	ECUMICIO4ZFN	C. CAPACITOR III 16V 0, 1U	13	, , , ,
G3280	ECSTOJD107Z	T. CAPACITOR CH6. 3V 100U	1:		C3707	ECUX (HI 02KBV	C. CAPACITOR S 50V 1000P	1	
03281	ECUX1C105ZFN	C. CAPACITOR CH 16V 1U	1		03710-12		C. CAPACITOR CH 50V 1000P	1 3	
	-		1		C3713		C. CAPACITOR CH 16V 1U	-	
			1		03714		C. CAPACITOR CH SOV 270P	1	
		C. CAPACITOR = 50V 10P	1					+	
			÷					-	
-		C. CAPACITOR CH6. 3V 0. 1U	-				T. CAPACITOR CH6. 3V 10U	+	-
			4		-		C. CAPACITOR OR 16V 0. 1U	-	
			2		C3726	ECUX 1H1 03ZFV	C, CAPACITOR CH 50V 0.01U	1	
		C. CAPACITOR CH 25V 1000P			C3901	ECEA1CKA100	E. CAPACITOR 16V 10U	1	
	-		5		03902	ECUX1C105ZFM	C. CAPACITOR CH 16V 1U	1	
C3311	ECUX1E102KBQ	C. CAPACITOR CH 25V 1000P	1		C3903	ECEAOJKA101	E. CAPACITOR 6, 3V 100U	1	
C3312	ECUX1H101JCQ	C. CAPACITOR CH 50V 100P	1		C3904	ECUX I C I O5ZFN	C. CAPACITOR III 18V 1U	1	
03313-16	ECUX 1E 102KBQ	G. CAPACITOR CH 25V 1000P	4		C3905	ECEAOJKA101		-	
			1		C3908	ECEATCKA100		-	
		C. CAPACITOR ON 25V 1000P	7		C3907	ECEAOJKA470		-	1
		C. CAPACITOR CH 50V 47P	il		C3908		C. CAPACITOR OH 50V 0.1U	H	
	-		1		C3909	ECEA1CKA470		1	
			H	i				-	
	-		\rightarrow		04001		C. CAPACITOR CH 50V 0.1U	+	-
			6		04002	ECEATEKS4R7		-	-
		C. CAPACITOR CH8. 3V 0. 1U	\rightarrow		C4003		C. CAPACITOR CH 50V II. 1U	1	<u> </u>
			2		C4004	ECEA1CKS101		1	
	ECUX1E102KB0	C. CAPACITOR CH 25V 1000P	1		C4005	VCEA1CAW220	E. CAPACITOR 16V 22U	1	
C3332, 33	ECUX1H101JCQ	C. CAPACITOR CH 50V 100P	Ш		C4008	ECUX I H223KBN	C. CAPACITOR I 50V 0. 22U	1	
C3335	ECUX1H101JC0	C. CAPACITOR CH 50V 100P	1		04007	VCEA1CAW220	E. CAPACITOR 16V 22U	ŧ	
		C. CAPACITOR III 50V 100P	1				CAPACITOR (P) UNIT	1	
			1			VCEA1CAS102		2	
-			1				CAPACITOR (P) UNIT	1	
		C. CAPACITOR III 25V 1000P	+	 -				-	
			1		C4012		E. CAPACITOR 18V 22U	1	-
			2		C4203	_	C, CAPACITOR OH 50V 33P	1	
	_		8				C. CAPACITOR CH 50V 33P	1	
			1				C. CAPACITOR CH 50V 1500P	1	
			2		C4211	ECUX1H330JCV	C. CAPACITOR CH 50V 33P		
03354-56	ECUX1H101JC0	C. CAPACITOR ON 50V 100P	3		04212	ECSTOJY106Z	T. CAPACITOR CH6, 3V 10U	1	
C3357	ECUX1E102KBQ (C. CAPACITOR CH 25V 1000P	1		C4213	ECUM1C104ZFN	C. CAPACITOR CH 16V 0.1U	1	
03360, 61	ECUX 1H1 01 JCQ	C. CAPACITOR OH SOV 100P	2		-		C. CAPACITOR = 50V 33P	1	
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Ref. No. Part No. Part No. Part Nome & DescriptionPos Remarks Ref. No. Part No. Part Nome & DescriptionPos	Remarks
C4215 ECUXIHIS2KBV C. CAPACITOR CH 50V 1500P 1	
C4217 EGSTOLYTOBZ T. CAPACITOR CM9.3V 10U 1 C4702, 03 ECUMINICIZERN C. CAPACITOR CM 50V 0.01U 2	
C4218 EQUINITIO EQUINITI	
C4210	
C4220, 21 ECUMICTO4ZEN C. CAPACITOR CH 18V 0.1U 2 C4221. ■ ECUXIH330JOV C. CAPACITOR CH 50V 33P 2 C4224, 25 ECUXIH330JOV C. CAPACITOR CH 50V 33P 2 C4224, 25 ECUXIH330JOV C. CAPACITOR CH 50V 1500P 2 C4302 VCSA1AAET01 E. CAPACITOR CH 50V 1500P 2 C4303 ECHRIH103JZ P. CAPACITOR CH 50V 0.0U 1 C4303 ECHRIH103JZ P. CAPACITOR CH 50V 0.1U 1 C4304 ECUMIH104ZEN C. CAPACITOR CH 50V 0.1U 1 C4305 VCSA0JAE21 E. CAPACITOR CH 50V 0.1U 1 C4306 ECUMIH104ZEN C. CAPACITOR CH 50V 0.1U 1 C4307 VCSA0JAE221 E. CAPACITOR CH 50V 0.1U 1 C4308 ECUMIH104ZEN C. CAPACITOR CH 50V 0.1U 1 C4308 ECUMIH104ZEN C. CAPACITOR CH 50V 0.1U 1 C4308 ECUMIH104ZEN C. CAPACITOR CH 50V 0.1U 1 C4309 ECUMIH104ZEN C. CAPACITOR CH 50V 0.1U 1 C4308 ECUMIH104ZEN C. CAPACITOR CH 50V 0.1U 1 C4309 ECUMIH104ZEN C. CAPACITOR CH 50V 0.1U 1 C4308 ECUMIH104ZEN C. CAPACITOR CH 50V 0.1U 1 C4308 ECUMIH104ZEN C. CAPACITOR CH 50V 0.1U 1 C4309 ECUMIH104ZEN C. CAPACITOR CH 50V 0.1U 1 C4308 ECUMIH104ZEN C. CAPACITOR CH 50V 0.1U 1 C4309 ECUMIH104ZEN C. CAPACITOR CH 50V 0.1U 1 C4300 ECUMIH330JON C. CAPACITOR CH 50V 0.1U 1 C4310 ECUMIH330JON C. CAPACITOR CH 50V 33P 1 C4311 ECUMIH1304ZEN C. CAPACITOR CH 50V 0.1U 1 C4312 ECUMIH330JON C. CAPACITOR CH 50V 0.3P 1 C4313 ECEMIH330JON C. CAPACITOR CH 50V 0.3P 1 C4314 ECUMIH330JON C. CAPACITOR CH 50V 0.3P 1 C4315 ECUMIH330JON C. CAPACITOR CH 50V 0.3P 1 C4316 ECUMIH330JON C. CAPACITOR CH 50V 0.3P 1 C4317 ECUMIH330JON C. CAPACITOR CH 50V 0.3P 1 C4318 ECUMIH330JON C. CAPACITOR CH 50V 0.3P 1 C4318 ECUMIH330JON C. CAPACITOR CH 50V 0.1U 1 C4319 ECUMIH330JON C. CAPACITOR CH 50V 0.1U 1 C4311 ECUMIH330JON C. CAPACITOR CH 50V 0.1U 1 C4311 ECUMIH330JON C. CAPACITOR CH 50V 0.3P 1 C4312 ECUMIH330JON C. CAPACITOR CH 50V 0.3P 1 C4313 ECEMIH330JON C. CAPACITOR CH 50V 0.3P 1 C4314 ECUMIH330JON C. CAPACITOR CH 50V 0.3P 1 C4315 ECUMIH330JON C. CAPACITOR CH 50V 0.3P 1 C4316 ECUMIH330JON C. CAPACITOR CH 50V 0.3P 1 C4317 ECEMIH330JON C. CAPACITOR CH 50V 0.1U 1 C4318 ECUMIH330JON C. CAPACITOR CH 50V 0.1U 1 C4319 ECUMIH330	
C4222	
C4222	
C4224, 25 ECUNTHI32KBV C, CAPACITOR CH 50V 1500P 2 C4801-04 ECUMINATION C, CAPACITOR CH 50V 470P 4 4 C4302 VCEATARETOT E, CAPACITOR 10V 100U 1 C4805 ECRATAKA470 E, CAPACITOR 10V 47U 1 1 C4303 ECHRITIOSUZ P, CAPACITOR CH 50V 0, 0TU 1 C4806 ECUMINITOZER C, CAPACITOR CH 50V 0, 1U 1 1 C4304 ECUMINITOZER CH 0, CAPACITOR CH 50V 0, 1U 1 C4807-14 ECUMINITOZER C, CAPACITOR CH 50V 0, 1U 1 1 C4305 VCEAQUAE221 E, CAPACITOR CH 50V 0, 1U 1 1 C68002 EGSTOJOTOZ T, CAPACITOR CH 50V 0, 1U 1 1 C4306 ECUMINITOZER C, CAPACITOR CH 50V 0, 1U 1 1 C68002 EGSTOJOTOZ T, CAPACITOR CH 6, 3V 100U 1 1 C4307 VCEAQUAE221 E, CAPACITOR CH 50V 0, 1U 1 1 C68003 ECUMICIO4ZER C, CAPACITOR CH 6, 3V 100U 1 1 C4308 ECUMINITOZER C, CAPACITOR CH 50V 0, 1U 1 C8003 ECUMINITOZER C, CAPACITOR CH 60V 0, 1U 1 1 C68003 ECUMINITOZER C, CAPACITOR CH 60V 0, 1U 1 1 C4311 ECUMINITOZER C, CAPACITOR CH 60V 0, 1U 1 1 C68003 ECUMINITOZER C, CAPACITOR CH 60V 0, 1U 1 1 C4312	
C4302 VCEATARETOT E CAPACITOR TOV 100U 1 C4303 ECHRITIOSJZ P. CAPACITOR 50V 0.01U 1 C4304 ECUMINIOAZEN C. CAPACITOR CR 50V 0.01U 1 C4305 VCEAQUAEZZI E CAPACITOR CR 50V 0.1U 1 C4305 VCEAQUAEZZI E CAPACITOR CR 50V 0.1U 1 C4306 ECUMINIOAZEN C. CAPACITOR CR 50V 0.1U 1 C4307 VCEAQUAEZZI E CAPACITOR CR 50V 0.1U 1 C4307 VCEAQUAEZZI E CAPACITOR CR 50V 0.1U 1 C4308 ECUMINIOAZEN C. CAPACITOR CR 50V 0.1U 1 C4308 ECUMINIOAZEN C. CAPACITOR CR 50V 0.1U 1 C4308 ECUMINIOAZEN C. CAPACITOR CR 50V 0.1U 1 C4308 ECUMINIOAZEN C. CAPACITOR CR 50V 0.1U 1 C4308 ECUMINIOAZEN C. CAPACITOR CR 50V 0.1U 1 C4309 ECUMINIOAZEN C. CAPACITOR CR 50V 0.1U 1 C4300 ECUMINIOAZEN C. CAPACITOR CR 50V 0.1U 1 C4310 ECUMINIOAZEN C. CAPACITOR CR 50V 0.1U 1 C4311 ECUMINIOAZEN C. CAPACITOR CR 50V 0.1U 1 C4312 ECUMINIOAZEN C. CAPACITOR CR 50V 0.1U 1 C4313 ECUMINIOAZEN C. CAPACITOR CR 50V 0.1U 1 C4314 ECUMINIOAZEN C. CAPACITOR CR 50V 0.1U 1 C4315 ECUMINIOAZEN C. CAPACITOR CR 50V 0.1U 1 C4316 ECUMINIOAZEN C. CAPACITOR CR 50V 0.1U 1 C4317 ECUMINIOAZEN C. CAPACITOR CR 50V 0.33P 1 C5008 ECUMICIOAZEN C. CAPACITOR CR 150V 0.1U 1 C4316 VCEACCACA CR CR 50V 10U 1 C4317 ECUMINIOAZEN C. CAPACITOR CR 50V 0.1U 1 C4318 ECUMINIOAZEN C. CAPACITOR CR 50V 0.1U 1 C4319 ECUMINIOAZEN C. CAPACITOR CR 50V 0.1U 1 C4319 ECUMINIOAZEN C. CAPACITOR CR 50V 0.1U 1 C4319 ECUMINIOAZEN C. CAPACITOR CR 50V 0.1U 1 C4319 ECUMINIOAZEN C. CAPACITOR CR 50V 0.1U 1 C4319 ECUMINIOAZEN C. CAPACITOR CR 50V 0.0U 1 C4321 ECUMINIOAZEN C. CAPACITOR CR 50V 0.1U 1 C4321 ECUMINIOAZEN C. CAPACITOR CR 50V 0.1U 1 C4321 ECUMINIOAZEN C. CAPACITOR CR 50V 0.1U 1 C4322 ECUMINIOAZEN C. CAPACITOR CR 50V 0.1U 1 C4322 ECUMICIOAZEN C. CAPACITOR CR 50V 0.1U 1 C4322	
C4303 ECHRIH103JZ P. CAPACITOR 50V Q. 01U 1 C4304 ECUMIH104ZFN C. CAPACITOR CH 50V Q. 1U 1 C4305 VCEAQJAE221 E. CAPACITOR CH 50V Q. 1U 1 C4306 ECUMIH104ZFN C. CAPACITOR CH 50V Q. 1U 1 C4307 VCEAQJAE221 E. CAPACITOR CH 50V Q. 1U 1 C4307 VCEAQJAE221 E. CAPACITOR CH 50V Q. 1U 1 C4307 VCEAQJAE221 E. CAPACITOR CH 50V Q. 1U 1 C4308 ECUMIH104ZFN C. CAPACITOR CH 50V Q. 1U 1 C4309 ECUMIH330JCN C. CAPACITOR CH 50V Q. 1U 1 C4309 ECUMIH330JCN C. CAPACITOR CH 50V Q. 1U 1 C4300 ECUMIH330JCN C. CAPACITOR CH 50V Q. 1U 1 C4310 ECUMIC104ZFN C. CAPACITOR CH 63V Q. 1U 1 C4311 ECUMIH330JCN C. CAPACITOR CH 60V Q. 1U 1 C4312 ECUMIH330JCN C. CAPACITOR CH 50V Q. 1U 1 C4313 ECEALCKA100 E. CAPACITOR CH 50V Q. 3P 1 C4314 ECUMIH330JCN C. CAPACITOR CH 50V Q. 1U 1 C4315 ECUMIC104ZFN C. CAPACITOR CH 50V Q. 1U 1 C4316 VCEACACKACO E. CAPACITOR CH 16V Q. 1U 1 C4317 ECEALCKA100 E. CAPACITOR CH 50V Q. 3P 1 C4318 ECUMIC104ZFN C. CAPACITOR CH 16V Q. 1U 1 C4319 ECUMIC104ZFN C. CAPACITOR CH 16V Q. 1U 1 C4311 ECUMIH330JCN C. CAPACITOR CH 16V Q. 1U 1 C4312 ECUMIC104ZFN C. CAPACITOR CH 50V Q. 1U 1 C4313 ECEALCKA100 E. CAPACITOR CH 50V Q. 1U 1 C4314 ECUMIH330JCN C. CAPACITOR CH 16V Q. 1U 1 C4315 ECUMIC104ZFN C. CAPACITOR CH 16V Q. 1U 1 C4316 VCEALCKA100 E. CAPACITOR CH 16V Q. 1U 1 C4317 ECEALCKA100 E. CAPACITOR CH 16V Q. 1U 1 C4318 ECUMIC104ZFN C. CAPACITOR CH 16V Q. 1U 1 C4319 ECUMIC104ZFN C. CAPACITOR CH 16V Q. 1U 1 C4311 ECUMIH330JCN C. CAPACITOR CH 16V Q. 1U 1 C4312 ECUMIC104ZFN C. CAPACITOR CH 16V Q. 1U 1 C4313 ECUMICACKACO C. CAPACITOR CH 16V Q. 1U 1 C4314 ECUMICACKACO C. CAPACITOR CH 16V Q. 1U 1 C4315 ECUMIC104ZFN C. CAPACITOR CH 16V Q. 1U 1 C4316 VCEALCKA100 E. CAPACITOR CH 16V Q. 1U 1 C4317 ECEALCKA100 E. CAPACITOR CH 16V Q. 1U 1 C4318 ECUMIC68SKN C. CAPACITOR CH 25V Q. 063U 1 C4319 ECUMIH104ZFN C. CAPACITOR CH 25V Q. 063U 1 C4310 ECUMIC68SKN C. CAPACITOR CH 25V Q. 063U 1 C4320 VCEAQJAETOR C. CAPACITOR CH 25V Q. 063U 1 C4321 ECUMIC68SKN C. CAPACITOR CH 25V Q. 063U 1	
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C4317 ECEATCKA100 E. CAPACITOR 16V 10U 1 C8020 ECUMICIO4ZFN C. CAPACITOR 16V 0.1U 1 C4318 ECUMIE883KBN C. CAPACITOR CH. 25V ■ 063U 1 C8021 ECUX1H120JCV C. CAPACITOR CH. 50V 12P 1 C4319 ECUMIH104ZFN C. CAPACITOR CH. 50V 0.1U 1 C8022−25 ECUMICIO4ZFN C. CAPACITOR CH. 16V 0.1U 4 C4320 VCEA0JAE470 E. CAPACITOR 6. 3V 47U 1 C8027 ECUMICIO4ZFN C. CAPACITOR CH. 6. 3V 100U 1 C4321 ECHRIBIO3JZ P. CAPACITOR SOV 0.0U 1 C8027 ECUMICIO4ZFN C. CAPACITOR CH. 6. 3V 100U 1 C6028−30 ECUX1H101JCV C. CAPACITOR CH. 50V 0.1U 1 C6028−30 ECUX1H101JCV C. CAPACITOR CH. 50V 0.1U 1 C6028−30 ECUX1H101JCV C. CAPACITOR CH. 50V 100P 3	
C4318 EGUNIESBSKEN C. CAPACITOR CH 25V II. 063U 1 C8021 ECUX1H12OJCV C. CAPACITOR CH 50V 12P 1 C4319 EGUNIHI04ZEN C. CAPACITOR CH 50V 0.1U 1 C4320 VCEAOJAE470 E. CAPACITOR 6. 3V 47U 1 C4321 ECHRIHI03JZ P. CAPACITOR SOV 0.0U 1 C4322 ECUNIESBSKEN C. CAPACITOR CH 25V 0.083U 1 C6028-30 ECUX1H101JCV C. CAPACITOR CH 50V 10P 3	
C4319 ECUMINIOAZEN C. CAPACITOR CH 50V 0.1U 1 08022-25 ECUMICIO4ZEN C. CAPACITOR CH 18V 0.1U 4 C4320 VCEAOJAE470 E. CAPACITOR 8.3V 47U 1 C8026 ECSTOJD107Z T. CAPACITOR CH6.3V 100U 1 C4321 ECHRINIO3JZ P. CAPACITOR SOV 0.01U 1 C8027 ECUMICIO4ZEN C. CAPACITOR CH 18V 0.1U 1 C4322 ECUMIE683KBN C. CAPACITOR CH 25V 0.083U 1 C6028-30 ECUXINIO1JCV C. CAPACITOR CH 50V 100P 3	
C4320 VCEA0JAE470 E. CAPACITOR 8. 3V 47U 1 C5026 ECST0JD107Z T. CAPACITOR CH6. 3V 100U 1 C4321 ECHRIHI03JZ P. CAPACITOR SOV 0. 01U 1 C4322 ECUNIE683KBN C. CAPACITOR CH 25V 0. 083U 1 C6028-30 ECUXIHI01JCV C. CAPACITOR CH 50V 100P 3	
C4320 VCEA0JAE470 E. CAPACITOR 6. 3V 47U 1 C8026 ECSTOJD107Z T. CAPACITOR CH6. 3V 100U 1 C4321 ECHRIBIO3JZ P. CAPACITOR SOV 0. 01U 1 C4322 ECUNIE683KBN C. CAPACITOR CH 25V 0. 083U 1 C6028-30 ECUXIHI01JCV C. CAPACITOR CH 50V 100P 3	
C4321 ECHRIBIO3JZ P. CAPACITOR 50V C. 01U 1 C6027 ECUNICIO4ZFN C. CAPACITOR CH 16V 0. 1U 1 C6028-30 ECUNIFICATION CH 25V 0. 083U 1 C6028-30 ECUNIFICATION CH 50V 100P 3	
G4322 ECUMIE683KBN C. CAPACITOR CH 25V 0. 083U 1	_
I capacilization is capaciton that the first the light capaciton of solution and the light capaciton of solutions are solutions and the light capaciton of solutions are solutions.	
C4323 VCEA1CAE100 E, CAPACITOR 16V 10U 1	
C4324 ECUNIE683KBN C. CAPACITOR CH 25V 0.083U I C6635 ECUNIO104ZFN C. CAPACITOR CH 16V 0.1U 1	
VIVE? TRESTORETTO EL ON NOTTON	
C4328 ECHRIHI03JZ P. CAPACITOR 50V 0.01U	
C4929. 30 VCEATHAE2R2 E. CAPACITOR 50V 2. 2U 2 CBO44 ECSTOJX226Z T. CAPACITOR CH6. 3V 22H 1	
C4331 ECUMIES83KBN C. CAPACITOR CH 25V 0. 083U 1 C6045.48 ECUMIC104ZFN C. CAPACITOR CH 16V 0. 1U 2	
C4332. 33 VCEATCAETIO0 (E. CAPACITOR 16V 10U 2 07301 ECUXINIO3ZEV C. CAPACITOR ON 50V 0.01U 1	
C4335, 36 VCEATHAE2R2 E. CAPACITOR 50V 2.2U 2 C7303 ECUXIHIO3ZFV C. CAPACITOR CH 50V 0.01U 1	
C4337 ECEA1CKA100 E. CAPACITOR 16V 10U I C7304 VCEA0JAN101 E. CAPACITOR 6. 3V 100U 1	
C4338 ECEAOJKA101 E. CAPACITOR 6. 3V 100U 1 C7307 ECUX1H470JCV C. CAPACITOR CH 50V 47P 1	
COUNTY OF COUNTY	
DADAY, 41 FORTINGERS ELEVATION AS S. S. S. S.	
C4342-44 VCEA1CAE100 II. CAPACITOR 16V 10U 3 C7312, 13 ECUMIC104ZFN C. CAPACITOR III 18V 0. 1U 2	
C4345, 46 ECUM1H104ZFN C, CAPACITOR ■ 50V G. 1U 2 C7315 ECUX1E104KBN C. CAPACITOR CH 25V G. 1U 1	
C4347, 48 ECEA1CKA100 E, CAPACITOR 16V 10U 2 C7318 ECUMIC104ZFN C. CAPACITOR CH 16V 0. 1U 1	
COOK DOWNING OF CALL OF CALL	···
GOOD TOURISTON LE SELECTION 187	
C4351 ECUMINIO4ZFN C. CAPACITOR ■ 50V 0.10 1 C7319. ■ VCEAIGANIO0 E. CAPACITOR 16V 10U 2	
C4352 ECEA1CKA101 E. CAPACITOR 16V 100U 1 C7321 ECUMIC104ZFN C. CAPACITOR CH 16V 0.1U 1	
C4353 ECUMICTO4ZEN C. CAPACITOR CH 16V 0. IU 1 07322, 23 ECUXINIO3KBV C. CAPACITOR CH 50V 0. IU 2	
C4354 ECENINKADIO E. CAPACITOR 50V 1U 1 C7324-26 ECUMICIO4ZEN C. CAPACITOR CH 16V Q. 1U 3	
04333 ECONTRITORER OF OFFICE OF SECURITION O	
C4356 ECUMICIO4ZFN C. CAPACITOR CH 16V 0. 1U 1 C7328 ECUXIE333KBN C. CAPACITOR III 16V 0. 033U 1	
C4357	
C4358 ECUMICIO4ZEN C. CAPACITOR CH 16V D. 1U 1 C7330 ECUXIH390JCV C. CAPACITOR CH 50V 39P 1	
CA359 ECUMINIDAZEN C. CAPACITOR CH 50V 0. IU 1 07601 ECUMINIO3ZEN C. CAPACITOR CH 50V 0. 01U 1	
CONTRACTOR OF CO	
C4361. 62 ECUMINIO4ZFN C. CAPACITOR CH 50V 0. IU 2 C7604 ECEAOJKA101 E. CAPACITOR 6. 3V 100U 1	
C4363 ECUMICTO4ZFN C. CAPACITOR CH 18V 0.1U 1 C7607 ECUMINIO4ZFN C. CAPACITOR CH 50V 0.1U 1	
C4364	
C4385. 66 ECEAICKA100 E. CAPACITOR 18V 10U 2 C7610 ECEAUJKA101 E. CAPACITOR 6. 3V 100U 1	
STATE OF THE PROPERTY OF THE P	
C4368 ECUMINIO4ZFN C. CAPACITOR CN 50V C. IU 1 C7614 ECEATHKAOIO E. CAPACITOR 50V 1U 1	
C4371 ECUMIN330JCN C. CAPACITOR IN 50V 33P 1 C7615, 16 ECUMIN330JCN C. CAPACITOR CH 50V 33P 2	
C4372 ECUMINIO4ZFN C. CAPACITOR CH 50V 0. IU 1 C7851 ECEA1CKA100 E. CAPACITOR 16V 10U 1	
C4373, 74 ECUX1M330UCV C. CAPACITOR III 50V 33P 2 C7652, 53 ECUMIH104ZFN C. CAPACITOR III 50V 0.1U 2	
04070, 74 200711000001 0, 044701107 2007 2007	
C4378 ECUX1H330JCV C. CAPACITOR CH 50V 33P 1 C7909 ECUMIH104ZFN C. CAPACITOR CH 50V 0.1U 1	
C4379-81 ECUMIN330JON C. CAPACITOR CH 50V 33P 3 C7910 ECEADJKS470 E. CAPACITOR 6. 3V 47U 1	
C43E2 ECUX1H330JCV C. CAPACITOR CH 50V 33P 1 C7911 ECUMIH1042FN C. CAPACITOR CH 50V 0. IU 1	
C4384, III ECUX1C393KBY C. CAPACITOR CH 16V 0.039U 2 C30001.02 ECUMICIO4ZFN C. CAPACITOR CH 16V 0.1U 2	
C4503-05 ECSTOJY108Z T CAPACITOR CH6.3V 10U 3 C30004, 05 ECUMIC104ZFN C. CAPACITOR CH 18V 9.1U 2	
C4506 ECUMICIO4ZEN C. CAPACITOR CH 16V 0. TU 1 C30006 ECQ81H153JF P. CAPACITOR 50V 0. 015U 1	
C4515 ECUMICIO4ZFN C. CAPACITOR CH 19V 0. IU C30007 ECUMIN471JCN C. CAPACITOR CH 50V 470P 1	
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Ref. No.	_Part No.	Part Name & Description	Pcs	Remarks	Ref. No.	Part No.	Part Name & Descrip	tio	Pc	s Remarks
C30008		C. CAPACITOR CH 50V 3300P	1		030100	EEVHB0J101		000	-	'
		C. CAPACITOR CH 50V 0.01U	1		C30101	+), 1U	-	·
	EEVHBOJ101	E. CAPACITOR 6.3V 100U	1		C30102			00P	-	
	EEVHB1H3R3	E. CAPACITOR 50V 3.3U	<u>'</u>		C30102			1.10	-	
_		E. CAPACITOR 18V 10U	2		030103			27P	+	+
	EEVHB1H4R7	E. CAPACITOR 18V 10U	1		C30104 C30105	+		27P 20P	H	
$\overline{}$		C. CAPACITOR CH 50V 4. /U	+		C30105			20P	-	
		C. CAPACITOR ON 50V 0.010	1	-	C30108	EEVHBOJ101		000	-	
-	EEVHB1C100	III. CAPACITOR OR SOV 470P	- 1	-		+		_	-	
			- 1		030108		 	000	1	
			- 1		030109		· · · · · · · · · · · · · · · · · · ·	00P	!	
	EEVHB0J101	E. CAPACITOR 8. 3V 100U	Ī		030110	_		. 18	-	-
$\overline{}$	EEVH80J470	E. CAPACITOR 6, 3V 47U	1		C30111	EEVHBOJ470	 	47U	-	
-		C. CAPACITOR CH 50V 0. 1U	1		C30113			. 10	_	
		C. CAPACITOR CR 16V 0.1U	1		C30114	EEVHP1H1R0	E. CAPACITOR 50V	10	+	
-		E. CAPACITOR 6, 3V 47U	1		C30116			010	-	
		C. CAPACITOR CH 16V 0.1U	1,			EEVHB1E4R7		. 7U	3	
		C. CAPACITOR CH 50V 22P	1		C30120	_		20P	1	
		C. CAPACITOR 50V 56P	1		C30122	EEVHBOJ470		47U	1	
		E. CAPACITOR 6, 3V 22U	1		030123	EEVHB0J220	E. CAPACITOR 6, 3V	22U	1	
		C. CAPACITOR CH 50V 56P	2		C30124	ECUM101042FN	C. CAPACITOR CH 16V 0	. 10	1	
		C. CAPACITOR ■ 50V 22P	2		030125	ECUM1H271JCN	C. CAPACITOR OH 50V 2	70P	j	
C30033	ECUX I H560JCV	C. CAPACITOR CH 50V 56P	1		030126	ECUMIHIO4ZFN	C. CAPACITOR OH 50V	. 1U	1	
030034	ECUX1H220JCV	C. CAPACITOR CH 50V 22P	1		030127	ECUX1H120JCV	C. CAPACITOR OH 50V	12P	1	
030035	EEVHB0J220	E. CAPACITOR 6. 3V 22U	1		C30128	ECUMI HI 04ZFN	C. CAPACITOR OH 50V 0	. 10	1	
C30036	EEVHBOJ101	E. CAPACITOR 6. 3V 100U	1,		030130	EEVH81H1R0	E. CAPACITOR 50V	10	1	
C30037	ECUMICIO4ZFN	C. CAPACITOR CH 16V 0.1U	1		C30131	-	_	010	1	
C30038-4C	ECUM1H103ZFN	C CAPACITOR CH 50V 0.01U	3		030132	EEVHBOJ470		47U	1	
_		C. CAPACITOR III 50V II. 01U	1		030133		 	. 18	i	
		C. CAPACITOR CH 50V 180P	1		030134	EEVHB0J220		220	1	_
		C. CAPACITOR CH 50V O. DIU	╗		C30135	· -		30P	1	
		C. CAPACITOR CH 50V 120P	ì		C30138			010	1	
-		E. CAPACITOR 18V 10U	2		C30137	EEVHB1H1R0	E. CAPACITOR ON SOV	1U j	1	
		C. CAPACITOR CH 16V II. 1U	2					-	H	
		C. CAPACITOR CH 16V III. 10	4		C30138	ECHPINIRO ECHLICIDAZEN	E. CAPACITOR 16V 0	10	屵	
-		E. CAPACITOR CH SOV 0.010	-					-	3	
		C. CAPACITOR III 16V 0.1U	-		C30142			39P	H	
			-1		C30143			39P	\vdash^1	
		E. CAPACITOR 16V 10U C. CAPACITOR CH 50V 0, 01U	븻		C30145	-		200	\vdash^1	
			2		C30148			47U	1	
-		E. CAPACITOR 6.3V 22U	4					10	2	
		E. CAPACITOR 16V 10U	1		030149			100	1	
		C. CAPACITOR CH 50V 560P	1		030150			10	1	
		C. CAPACITOR CH 50V 390P	1	-	C30151	EEVHP1A100		100	_ 1	
		E. CAPACITOR 6.3V 47U	1		030152			10	1	
		C. CAPACITOR CH 50V 0.1U	4		C30155			32P	1	
•		C. CAPACITOR CH 50V 56P	1		030156			OOP	1	
		C. CAPACITOR OH 50V 0, 01U	1		G30157			1IJ	1	
		E, CAPACITOR 50V 4.7U	_1		C30159			22₽	1	
		E. CAPACITOR 50Y 2.2U	1		C30160	ECUX1H390JCV	C. CAPACITOR CH 50V .	39P		
		C. CAPACITOR CH 50V 0. 01U	1		030161, 62	ECUMIH103ZFN	C. CAPACITOR CH 50V 0.) î U	2	
			1		C30165	EEVHBOJ470	E. CAPACITOR 6.3V	17U	1	
			1		C30188	ECUM1H104ZFN	C. CAPACITOR OH 50V 0.	1υ	-1	
		C. CAPACITOR CH 10V 1U	1		C30187			OP	1	
C30070 E	ECUMIH270JCN	C. CAPACITOR NII SOV 27P	1		C30188			32P	1	
030071 E			1	- "	C30189			OP	1	
			1		030190			2P	1	
		C. CAPACITOR E 50V 0, 01U	1					\dashv		
		C. CAPACITOR CH 50V 12P	T		D1001	MA185	DIODE	\dashv	1	
			市		01002		DIODE	\dashv	1	
			귀		01002		DIODE	+	1	
			1		D1003		DIODE	\dashv		
		* "	+		D1004 D1005				1	
			1				DIODE		1	
			\rightarrow		D1008, 09		DIODE		2	
			1		D1010		D100E	_	1	
			1		D1011		DIODE	_	_1	
			1		01013		DIODE		1	
			1		01014		DIODE	_[1	
			1		D1017		30010	\Box	1	
			4		01020		0100E	\Box	-1	
			1		D1021		DIODE	_]	1	
			2		D1022		DIODE	J	1	
			1		D1023, 24	MA165	DIODE	_T	2	
			1		D1025		DIODE		1	
			2		D1026		DIODE	+	1	
C30095-96 E	CUM1C104ZFN	C. CAPACITOR OH 16V C. 1U	4		D1027, 28		DIODE	\dashv	i	
			1		02001		DIODE	\dashv	1	
								\dashv	\dashv	
			_					+	\dashv	
									_	

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Ref. No.	Part No.	Part Name & Description	Pcs	Remarks	Ref. No.	Part No.	Part Name & Description	es.	Remarks
D2003-05		DIODE	3		102210	PST7028-T	IC	1	
D2006-14	MA728	DIODÉ	8		102211-13	TC7W74F	IC	3	
		30010	2		102214	TC7WORF	IC	1	
02203-05		DIODE	3		102215	TC7SH32F	1C	1	
D2206		DIODE	1		102216	TC7S08F	10	1	·
02207		30010	1		102502	TL1453CNS	10	1	
D2208		DIODE	1		103001	T9P90EF	IC	1	
		DIOBÉ	1		103002	MN47V07AF	10	1	
02209			1		103003		10	1	
D2210		3001 d	-	-		M52387FP	IC	- i	
D2211		30010	-1		103004		10	'	
D2501		DIODE	1		103005	BH7086KV		_	
02503		DIODE	1		103006	M52684AFP	IC	1	
02505	AK04	DIODE	1		103007	TC7SHOOFU	IC	1	
02507	AKO4	01006	1		103008		10	1	
D3002	MA728	30010	1		103009	TC7SH08FU	10	1	
03003	MA151K	0100E	-1		103010	RN5RZ30BA	IC	1	
03201	MA142WA	DIODE	1		03201	M65500FP	10	1	
D3601	-	DIODE	1		103202	UPD423426088	10	1	
D3602		DIODE	1		103203	AN3741FAP-AV	10	1	
D3803		DIODE	1		103204	AD90578RS	IÇ	1	
	_	DIODE	1		103205	TC7SH08FU	IC	1	
D3604			3		103207	M62370GP	10	1	
		DIODE	2		103207	UP04053BG	10	÷	
		D100E	-			AN3581S	10	1	
D3906		D100E	1		103602		10	1	
		DIODE	2		103603	AN3296S		1	
D4301		DICOE	_1		103701	TSB13LV11PBW			
D4302	MA153	DIODE	_1		103901	MC14053BF	10	1	
04501	MA721	DIODE	_1		103902	MC14052BF	IC	1	
D4701	MA720	DIODE	1		103903	MC14051BF	1¢	1	
D4702	MA151WK	DIODE	1		103904	PQ20VB2E	IC	i	
06002-05	188355	DIODE	4		104001, 02	UP04051BG	10	2	
06007.08	155355	DIODE	2		104003	BU4053BCF	10	1	
D7302	BB135	DIODE	i		104004	NJM4558M	IC	-1	
07601	MA4300	DIODE	Ħ		164201	NJM2112V	IC	1	
	MA165	DIODE	2		104210	NJM2115V	10	1	
D7653	MA723	DIODE	1		104301	NJM79LOSA	IC	ī	
		DIODE	i		104302	NJM4558M	IC	1	
030001			1		104302	UPC78L05J	ic	<u> </u>	
D30002		30010	-			_	10	2	
030003		30010	1		_	NJM4558M	10	1	
D30004		D100E	1		104306	M62409FP		-	
D30005		DIODE	1		104307	NJM4558M	16	÷	
030006		DIODE	1		104308	M62409FP	10	+	
030007		DIODE	1		104309	BU4052BCF	10	1	
030008	MA151K	DIODE	1.			NJM4558M	10	2	
D30009	MA721	DIODE	1		104312	NJM4565DD	10	1	
D30010	MA151K	DIODE	1		104313, 14	BU4052BCF	IC	2	
					104315	NJM455BM	10	1	
FL7301	VLF0833	FILTER	1		104316	HA17431PA	16	-1	
_	ELB4H020	FILTER	1		I C4501	AK4520A-VF	(C	-1	
		FILTER	1		104701	D78011FGC584	IC	1	
FL30002		FILTER	1		104702	PST5910	1C	1	
, 200002	1001	r twisters	H		104901	MC14052BF	10	1	·
EBODO:	VJS3251	CONNECTOR (FEMALE)	1	·	104001	M31020VLEC	IG	1	
FP3201	7033201	CONTROL OF CHEMPLE)	-		108002	RN5VD29EA	IC	1	
100754	1.42576	10	1		108002	MC14013BF	ic	1	
100701	LA7576	10	-				10	1	+
101001	UPC1093J	10	1		108004	TC7W74FU	10	1	
101003	NJM4565MD	16	1		100005	TC7S86FU		_	
101004	NJM2904M	10	1		108006	T075W54FU	10	1	
101005	RN5RG22AA	IC	1		107301	TDA9874H	IC	1	
(C1006, 07	NJM4565MD	IC	2		107302	PST7043	10	_1	
101008	RN5RZ50BA	10	1		107651	RN5RZ50BA	10	_1	
IC1009	PQ20VB2E	10	1		107905	PST7043	IC	_ 1	
IC2001	M31020VLE0	IC	1		107906	M34510W2CRE2	10	1	
102002	UP047216S	IC	1		1030001	MC14053BF	10	1	
102004	S29L331AFS	IC	1	" "	1030002	NJM2903M	10	j	
102005	D7840376K508		1		1030003	TCHC4538AF	10	1	
102006	MM1320ENRE	10	i		1C30004	AN3916	IC	1	
	-	10	 		1030005	TCHC4538AF	IC	1	
102201	SB0743AL	IC .	1		1030006	NJM22550	IC	1	
102202	BU4052BOF		-		1030007		10	1	
102203	M37777VACX	10	1			MC14053BF	IC	1	
102204	M6M80041P	10	1		103000B	TC9090AF		-	
102205	M38027V4EM	10	1		1030009	MMI 093PFB	10	1	
102208	TCHC4538AF	IC	1		1030010	MB90089WVAS	10	1	
	M66010GP	IC	2		1030011	MM1108XFF	10	!	
102207, 08			1 .	· ·	1030012	M24C16-WBN6	IC	1	1
102207, 08 102209	S80743AL	Į I G	1		1000012	1010 1000	.10	H-	
		I C	Ľ		1030012	10101010		Ė	
		,ic	1		1000012				

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Ref. No.	Part No.	Part Name & Description	P.A.	Remarks	Ref. No.	Part No.	Part Name & Description	Ь	No
1030013			_					-	s Remarks
	SABC161RIL16		1		L30032	VLQ0163J101	COIL 100UB	╀	1
1030014	S80743AL	10	1					┖	
1030015	M27C2001FBBA	IC	1		LB0601-03	VLP0145	COIL		3
1030016	SDA5273~2CS	10	1	<u> </u>	LB2002-04	VLP0364	COIL		3
1030017	M52390FP	10	ı		LB2201	VLP0085	COIL	Т	1
1030018	NJM2513W	IC	1		LB2202	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0		11
1030019	MC140539F	IC	T		LB2203-06	VLP0085	COIL	+	4
			Н		LB2501, 02		COIL	-	2
A ID1001-00	WEEDO16406	1C PROTECTOR	9					-	
⚠ IP1001-08		1C PROTECTOR	-		LB3001, 02		CHIP INDUCTOR	-	2
▲ IP1011	VSF0015A025	IC PROTECTOR	1		LB3004	VLP0364	CHIP INDUCTOR	Ľ	
<u> </u>	VSF0015A025	IC PROTECTOR	1		LB3006	ERJ6GEY0R00	M. RESISTOR I 1/10W Q	L	1
					LB3701-04	VLP0364	CHIP INDUCTOR	1	4
JK0802	VJJ0242	REMOTE CONTROL JACK	1		LB4901-08	VLP0147	COLL		
JK0603	VJJ0577	JACK	1		L86004	VLP0364	CHIP INDUCTOR	Т	1
JK3901, 02	VJS1470	CONNECTOR (FEMALE)	2		LB7301-04		COIL	17	4
			┪		LB7601	VLP0125	COIL		
K0702	ERJ3GEYORGO	H DECISION OF 1/100	١,					-	
		M. RESISTOR CH 1/16W 0	-			ERJ6GEY0R00	M. RESISTOR CK 1/10W 0	-	
	ERJ30EY0R00	M. RESISTOR IIII 1/16W 0	_		LB30006, 07	VLP0196	COIL	1	2
K2001	ERJ3GEY0R00	M. RESISTOR III 1/16W 0	-1		LB30008-23	ERJ6GEY0R00	M. RESISTOR OH 1/10W 0	18	3
K2503, 04	ERJ6GEYOROO	MLRESISTOR OH 1/10W II	2		LB30024	VLP0147	COIL		
K3903	ERJ6GEYOROO	M. RESISTOR CH 1/10W III	_1		LB30025-26	ERJ3GEY0R00	M, RESISTOR CH 1/16W 0	1	4
K7301.02	ERJ6GEY0R00	M. RESISTOR CH 1/10W	2		LB30029-36	VLP0147	COIL	-	3
K7304		M. RESISTOR OH 1/10W	ī					Ť	<u> </u>
K7904		M. RESISTOR CH 1/10W 0	÷		P1102	VJ\$1239T	CONNECTOR (FEMALE)	۲.	1
K7909-11			3					-	-
			-		P2502	VJP1931T	CONNECTOR (MALE)	-	
K30006	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	_		P3701	VJP1229T	CONNECTOR (MALE)		
K30010	ERJOGEYOROD	M. RESISTOR OH 1/10W 0	1		P3701	VJP3125B006	CONNECTOR (MALE) 6P	_1	
			L		P3901	VJP1242T	CONNECTOR (MALE)	1	
L0701	VLQ0163JR12	COIL 0. 128H	1		P4001	VJS3537A0200	CONNECTOR (FEMALE)	1	
L0705	VLQ0163J5R6	CO1L, 5. 6UH	1		P6201	VJP1231T	CONNECTOR (MALE) 4P	1	
L0706	VLQEL05S150K		1		26401	VJ\$3537A022	CONNECTOR (FEMALE)	1	
L1001	ELEKN390KA	COIL 39UH	1		26701	VJS3537A032		1	
		·	, n				CONNECTOR (FEMALE)		+
	ELJPA100KF	COIL 100H	2		P6703	VJS3537A026	CONNECTOR (FEMALE)	1	·
	VL00614K331	GOIL 3300H	4		P6707	VJP1239T	CONNECTOR (MALE)	1	
	ELJPA100KF	COIL 10UH	4		P8707	VJS1239T	CONNECTOR (FEMALE)	_ 1	
L3005	VL00426J150	COIL 15UH	1		P7901	VJS3537A019	CONNECTOR (FEMALE)	1	
L3006-08	ELJPA100KF	COIL 10UH	3		P7902	VJS3537A017	CONNECTOR (FEMALE)	1	
L3009	VLQ0428J120	COIL 12UH	ī					Н	
		COIL 15UH	1		PK0701	VJR0816E010W	CONNECTOR		
	ELJPA100KF	DOIL 10UH	2					H	
			2		PK7301	VJR07778007W		H	ļ
					PK7302	VJR07778006W	FIN	Ľ	
L3208		COIL 22UH	1					ᆫ	
L3210	ELJPA100KF	COIL 10UH	_1		PP0701	VJP3589E0048	CONNECTOR (MALE)		
L3601	VL00599J680	COIL 68UH	-1		PP3401	VJP3573E012	CONNECTOR (MALE)	1	
L3602	VLQ0599J330	CO1L 33UH	1		PP3402, 03	VJP3573E020	CONNECTOR (MALE)	2	
L3603	VLQ0599J680	COIL SSUR	1		PP3404	VJP3573E008	CONNECTOR (MALE)	1	
L3604	VLQ0599J330	COIL SOUH	ī			VJP3573E020	CONNECTOR (MALE)	2	
L3605	VL 00398	COIL	1		PP3503		CONNECTOR (MALE)	1	
								-	
	VLQ0599J680		-		PP3610	VJP3894	CONNECTOR (MALE)	H	
		CO1L 8, BUH	1		PP3901		CONNECTOR (MALE)	1	
		COIL 10UH	2				CONNECTOR (MALE)	2	
L4701, 02	VLQ0599J100	COIL 10UH	2		PP8706	VJP3042A020W	CONNECTOR (MALE)	1	
L7301	VL00599J3R3	CO1L 3, 3UH	-1						
L7302	VLQ0599J1R0	CO(L 1UH	-1.		PS0601	VJS3042F009W	CONNECTOR (FEMALE)	1	
L7601	VLQ0599J330	COIL 33UH	11				CONNECTOR (FEMALE)	1	
		001L 2. 7UH	1		P\$3001	VJS3994 ·	CONNECTOR (FEMALE)	1	
		COIL 33UH			PS3002		CONNECTOR (MALE)	+	-
			-	-				_	· · · · · · · · · · · · · · · · · · ·
		COIL 10UH	_		PS3901		CONNECTOR (FEMALE)	1	
		COIL 330H	3				CONNECTOR (FEMALE)	2	
		COIL 56UH	1		PS3904	VJ\$3573F008	CONNECTOR (FEMALE)	_1	
		COIL 22UH	-1		PS4301.02	VJ\$3186B018	CONNECTOR (FEMALE)	2	·
L30006-09	VLQ0163J330	COIL 33UH	4		P\$30001,02	VJS3573F020	CONNECTOR (FEMALE)	2	
£30010-14	ELJPA330KF	001L 33UH	5		PS30003		CONNECTOR (FEMALE)	í	
		COIL 22UH	1	-					
		GOIL 22UH	1		90701	MSD601-S	DANSISTAD	1	
			-		-		TRANSISTOR		· · · · · · · · · · · · · · · · · · ·
		CO1L 33UH	3			MSB709-R	TRANSISTOR	1	
		COIL 15UH	-1			2SD1996	TRANSISTOR	5	
		COIL 33UH	2			258956	TRANSISTOR	_1	
L30024	AF601637100	COIL 10UH	_1		Q1009	258948A	TRANSISTOR	1	
L30025	ELJPA330KF	COIL 33UR	1		01010-12	2SD1996	TRANSISTOR	3	
L30026	VLQ0163J100	001L 100R	1				TRANSISTOR	1	
		COIL 5, BUH	-1			2501996	TRANSISTOR	1	
-	_		-					_	
			2		$\overline{}$		TRANSISTOR	_1	
		COIL 15UH	1		-		TRANSISTOR	_1	
L30031	VLQ0163J8R2	CO1L 8, 2UH	_1		01024	23B710	TRANSISTOR	_1	
								_	
			_1		l			_	
	,		_						

Dag Na	Dant Ma	Part Name & Description	ړ.,	Remarks Ref. No	Π,	Part No.	Part Name & Description	Pre	Remarks
Ref. No.			*C\$	Remarks Ret. 190	\rightarrow	UN221F	TRANSISTOR-RESISTOR	1	ROMALES
	258956	TRANSISTOR	2	QR1005	-		TRANSISTOR-RESISTOR	<u> </u>	
	2SD1996	TRANSISTOR	1	' QR1008	\rightarrow		TRANSISTOR-RESISTOR	<u> </u>	
	2SD601A-R 2SD601A-R	TRANSISTOR TRANSISTOR	ė	QR1009	-	_	TRANSISTOR-RESISTOR	1	
			1	QR1011	\rightarrow		TRANSISTOR-RESISTOR	1	
	2SB1073 2SB1073	TRANSISTOR TRANSISTOR	2	QR1012	\rightarrow		TRANSISTOR-RESISTOR	1	
	25B1073	TRANSISTOR		QR2001	-	UN5113	TRANSISTOR-RESISTOR	1	
	2SD1819	TRANSISTOR	1	QR2002,	-		TRANSISTOR-RESISTOR	2	
	25B1218	TRANSISTOR	1	QR2201-	\neg		TRANSISTOR-RESISTOR	6	
	2SD1210	TRANSISTOR	귀	QR2207.	\rightarrow		TRANSISTOR-RESISTOR	2	
	2SD1819	TRANSISTOR	2	QR2209-	\rightarrow		TRANSISTOR-RESISTOR	3	
	2503930	TRANSISTOR	-	QR2212	-	MUN2213	TRANSISTOR-RESISTOR	1	
-	2SD1819	TRANSISTOR	2	QR2213	\rightarrow	MUN2211	TRANSISTOR-RESISTOR	1	-
	2SB1218A-R	TRANSISTOR	귀	QR2214	-		TRANSISTOR-RESISTOR	1	
	2SD601A-R	TRANSISTOR	1	QR2215			TRANSISTOR-RESISTOR	1	
	MSB709-R	TRANSISTOR	1	QR2216-	18	MUN2213	TRANSISTOR-RESISTOR	3	
	2SD1328	TRANSISTOR	-1	QR2220-			TRANSISTOR-RESISTOR	3	
	258709A	TRANSISTOR	-1	QR2503	-	UN2215	TRANSISTOR-RESISTOR	1	
	2SD601A	TRANSISTOR	2	QR2508	7	UN2115	TRANSISTOR-RESISTOR	1	
	2SB709A	TRANSISTOR	1	QR3601-	03	MUN2213	TRANSISTOR-RESISTOR	3	
	2SD601A	TRANSISTOR	3	QR3604,	\rightarrow		TRANSITOR-RESISTOR	2	
	2SK170BL	TRANSISTOR	1	QR3606		MUN2212	TRANSISTOR-RESISTOR	1	
	258709	TRANSISTOR	í	QR3901		MUN2211	TRANSISTOR-RESISTOR	1	
	2SD1992	TRANSISTOR	1	QR3902		MUN2111	TRANSISTOR-RESISTOR	1	
	2SD601A-R	TRANSISTOR	1	QR3903		MUN2211	TRANSISTOR-RESISTOR	1	
	2SB132QA	TRANSISTOR	1	QR3904		MUN2213	TRANSISTOR-RESISTOR	1	
	2SD1468T93	TRANSISTOR	_1	OR4301		UN2110	TRANSISTOR-RESISTOR	1	
	MSB709-R	TRANSISTOR	1	QR4302		MUN2212	TRANSISTOR-RESISTOR	1	
	2SD601A	TRANSISTOR	8	QR4303		MUN2213	TRANSISTOR-RESISTOR	1	
Q4311, 12	XN4501	TRANSISTOR-RESISTOR	2	QR4701-	03	MUN2213	TRANSISTOR-RESISTOR	3	
Q4313-15	280801A	TRANSISTOR	3	QR4704	T	MUN2211	TRANSISTOR-RESISTOR	-1	
Q4701, 02	2SD601A-R	TRANSISTOR	2	QR4706	\exists	MUN2112	TRANSISTOR-RESISTOR	1	
Q6001	25B970X	TRANSISTOR	-1	QR6001		UN5213	TRANSISTOR-RESISTOR	1	
Q7601	28D601A-R	TRANS ISTOR	1	QR7601		MUN2213	TRANSISTOR-RESISTOR	1	
Q7604, III	2SD1328-S	TRANSISTOR	2	QR30001		MUN2213	TRANSISTOR-RESISTOR	_1	
Q7606	2SB709A	TRANSISTOR	1	QR30003		UN221L	TRANSITOR-RESISTOR	_1	
Q30001	MSD601-R	TRANSISTOR	1	QR30004		UN5118	TRANSISTOR	-1	
030002	MSB709-R	TRANSISTOR	-1	QR30005		MUN2213	TRANSISTOR-RESISTOR	1	
030003, 04	2881218	TRANSISTOR	2	QR30006		MUN2 (11	TRANSISTOR-RESISTOR	1	
030005, 06	2803930	TRANSISTOR	2					_	
Q30007, 08	MSB709-R	TRANSISTOR	2	R0703		ERJ3GEY6152	M. RESISTOR CH 1/16W 1.5X	1	
030009	2803930	TRANSISTOR	-1	R0704		ERJ3GEYJ222_	M. RESISTOR OH 1/16W 2.2K	1	
030010	MSC2295-B	TRANSISTOR	-1	R0705		ERJ3GEYJ562	M. RESISTOR CH 1/16W 5.6K	1	
030011	2SB1218	TRANSISTOR	-1	R0706. 0)7	ERJ3GEYJ272	M. RESISTOR CH 1/16W 2.7K	2	
030012	MSC2295-B	TRANSISTOR	1	R0708		ERJ3GEYG152	M. RESISTOR OH 1/16W 1.5K	_1	
030013, 14	2SB1218	TRANSISTOR	2	R0709		ERJ3GEYJ105	M. RESISTOR CH 1/16W 1M	1	
030015	2SD1818	TRANSISTOR	1	R0710		ERJ6GEYG154	M. RESISTOR OH T/10W 150K	1	
Q30016	MSB709~R	TRANSISTOR	-1	R0713	_		ML RESISTOR OH 1/18W 470	1	
Q30017	2SD1819	TRANSISTOR	1	R0714	\perp	ERJ3GEYJ470	M. RESISTOR OH 1/16W 47	_1	
030018	MSB709-R	TRANSISTOR	1	R0715	\rightarrow		M. RESISTOR OH 1/18W 4.3K	ា	
Q30019	2SD1819	TRANSISTOR	1	R0716		VRE0040E151	M. RESISTOR CH 1/10W 150	í	
030020	2581216	TRANSISTOR	1	R0717	\rightarrow		M. RESISTOR CH 1/16W 33	_1	
030021, 22	2801819	TRANSISTOR	2	R0718		ERJ3GEYG102	ML RESISTOR CH 1/18W 1K	1	
Q30023	2SB1218	TRANSISTOR	1	R0719	\rightarrow		M. RESISTOR CH 1/10W 7, 5K	- 1	
030024-27	2SD1819	TRANSISTOR	4	R0720	\rightarrow		ML RESISTOR OH 1/16W 1K	J	
Q30028	MSB709-R	TRANSISTOR	1	R0722	-		M. RESISTOR OH 1/18W 100	_1	
030030	MSD601-R	TRANSISTOR	1	R0723	\rightarrow		M. RESISTOR CH 1/16W 270	_!	
030031.32	2SB1218	TRANSISTOR	2	R0724		ERJ3GEYJ183	M. RESISTOR III 1/18W 18K	1	
Q30 033	2SD1819	TRANSISTOR	1	R0725	\rightarrow		M. RESISTOR CH 1/18W 1.8K	1	
030034, 35	2SB1218	TRANSISTOR	2	R0726	-		M. RESISTOR OH 1/16W 580	1	
Q30036	2\$01819	TRANSISTOR	1	R0727	_		M. RESISTOR OH 1/16W 1.3K	1	
Q30037	MSB709-R	TRANSISTOR	1	R0728	-+	_	M. RESISTOR CH 1/16W 470	_1	
030038	2SD1819	TRANSISTOR	. 1	R0729		ERJ3GEY0102	M. RESISTOR min 1/16W 1K	-1	
Q30039	2SB1218	TRANSISTOR	-1	R0732	\rightarrow		M. RESISTOR 1/16W 470	-1	
Q30040	2SD1819	TRANSISTOR	1	R0783	\prod	ERJ3GEYJ393	M. RESISTOR III 1/16W 39K	-1	
Q30042	2\$01819	TRANSISTOR	1	R1001		ERD\$27J182	C. RESISTOR 1/4W 1, 6K	1	
Q30043	2581218	TRANSISTOR	1	R1002		ERDS2TJ122	C. RESISTOR 1/4W 1.2K	-1	
Q30044	MSD601-R	TRANSISTOR	1	R1004		ERDS2TJ471	C. RESISTOR 1/4W 470	_(,
Q30045	2\$81218	TRANSISTOR	1	R1005, ()6	ERJ6GEY6682	M. REISHOR CH 1/10W 6.8K	2	
Q30046	MSD601-R	TRANSISTOR	1	R1007		ERJ6GEYG103	M. RESISTOR OH 1/10W 10K	1	
	MSB709-R	TRANSISTOR	1	R1008		ERJ6GEYF472	M. RESISTOR CH 1/10W 4, 7K	1	
	2SD1819	TRANSISTOR	1	R1009		ERJ6GEYF473	M. RESISTOR CH 1/10W 47K	1	
	2SB1218	TRANSISTOR	1	R1012		ERJ66EY6103	M. RESISTOR OH 1/10W 10K	1	
					4	ERDS2TJ821	C. RESISTOR 1/4W 820	2	
			_		-			1	1
QR1001	MUN2213	TRANSISTOR-RESISTOR	1	R1015	- 1	EKORRETRI UZ	M. RESISTOR OH 1/10W 1K	_ '	
QR1001	MUN2213	TRANSISTOR-RESISTOR	1	R1015	\dashv	EKUBBETG102	M. RESISTOR OF 17 TOTE TR		

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Ref. No.	Part No.	Part Name & Desc	riptio	Pc:	Remarks	Ref. No.	Part No.	Part Name & Descri	iption	Pc	s Remarks
R1016	ERDS2TJ272	C. RESISTOR 1/4		_		R2204-06		M. RESISTOR III 1/10W	10K	_	
R1018	EROS2TJ821	C. RESISTOR 1/4	V 820	1		R2207	ERJ6GEYG222	M. RESISTOR CH 1/10W	2. 2K	1	
R1019	ERDS2TJ272	C. RESISTOR 1/49	2.7K	1	-	R2209	ERJ6GEYF472	M. RESISTOR CH 1/10W	4. 7K	1	
R1021	ERJ6GEY0272	M. RESISTOR CH 1/100	2.7K	1		R2211	ERJ8GEYG222	ML RESISTOR CH 1/10W	2. 2K	1	
R1022	ERJ6GEYG103	M. RESISTOR CH 1/10		1		R2213	ERJ6GEYG103	M. RESISTOR CH 1/10W	10K	1	
R1023	ERJ6GEY0222	M. RESISTOR OH 1/108		1		R2215	ERJ60EYG221	M RESISTOR OH 1/10W	220	_1	
R1025	ERJ8GEYG272	N. RESISTOR OR 1/10)	2. 7K	1		R2217-19	ERJ60EYF473	M. RESISTOR OH 1/10W	47K	3	
R1026	ERJ66EYF333	M. RESISTOR CH 1/10Y	r 33K	1		R2220-23	ERJ6GEY6332	M, RESISTOR CH 1/10W	3. 3K	4	
R1027	ERJ8GEYG272	M. RESISTOR CH 1/109	(2. 7K	1		R2224-26	ERJ6GEYF473	M. RESISTOR CH 1/10W	47K	3	
R1028	ERJ6GEYF822	M. RESISTOR CH 1/101	6.2K	1		R2227	ERJ66EYG103	M, RESISTOR III 1/10W	10K	1	
R1029	ERJ6GEYG222	M. RESISTOR III 1/109	■. 2K	1		R2228	ERJ6GEYG222	M. RESISTOR CH 1/10W	2. 2K	1	
R1030	ERJ6GEY6332	# RESISTOR CH 1/109	3.3K	1		R2229	ERJ6GEYG103	M. RESISTOR OH 1/10W	10K	1	
R1031	ERJ6GEYG222	M. RESISTOR CH 1/104	2.2K	1		R2230	ERJ6GEYG222	M. RESISTOR CH 1/10W	2. 2K	1	
R1032, 33	ERJ6GEYG563	M. RESISTOR I 1/100	56K	2		R2231	ERJ8GEYF473	M. RESISTOR CH 1/10W	47K	1	
R1034	ERJ6GEYF333	M. RESISTOR OH 1/10H	33K	1		R2232	ERJ6GEYG103	M. RESISTOR OH 1/10W	100	1	
R1036	ERJ6GEYF333	M. RESISTOR I 1/10H	33K	ŧ		R2233	ERJ6GEYG105	M. RESISTOR CH 1/10W	1 M	1	
R1039	ERDS2TJ562	C. RESISTOR 1/49	5.6K	1		R2234	ERJ6GEYG103	M. RESISTOR CB 1/10W	10K	_1	
R1040	ERDS2TJ821	C. RESISTOR 1/48	820	1		R2235	ERJ6GEYG681	M. RESISTOR CH 1/10W	680	1	
R1041	ERJ6GEYF472	M. RESISTOR OR 1/10%	4.7K	1		R2236	ERJ6GEYJ106	M, RESISTOR CH 1/10W	10M	1	
R1042	ERDS2TJ562	C. RESISTOR 1/49	5.6K	1		R2237	ERJ6GEYJ224	M. RESISTOR CH 1/10W	220K	_1	
R1043	ERDS2TJ103	C. RESISTOR 1/49	10K	-1		R2238-40	ERJ6GEY0R00	M. RESISTOR CH 1/10W	0	3	
R1044	ERDS2TJ332	C. RESISTOR 1/4W	3.3K	1		R2241	ERJ6GEYG562	M. RESISTOR CH 1/10W	5. BK	- 1	
R1045, 46	ERDS2TJ472	C. RESISTOR 1/4W	4. 7K	2		R2242	ERJ6GEYF822	M, RESISTOR CH 1/10W	8. 2K	1	
R1049	ERJ6GEYG103	M. RESISTOR CH 1/109	10K	1		R2243	ERJ6GEYG102	M. RESISTOR CH 1/10W	1K	1	
R1050, 51	ERJ6GEYF333	MURESISTOR OH 1/10%	33K	2		R2244	ERJ6GEYF473	M. RESISTOR CH 1/10W	47K	- 1	
R1052	ERJ6GEYG562	M. RESISTOR CH 1/10W	5. 6K	1		R2245	ERJ6GEYG103	M. RESISTOR CH 1/10W	10K	- 1	
R2001	ERJ3GEY0R00	M. RESISTOR CII 1/16W		1		R2240	ERJGREYG152	M. RESISTOR CH 1/10W	1.5K	1	
	ERJ3GEYJ104	M. RESISTOR CH 1/16W	100K	2		R2247	ERJ66EY6222	ML RESISTOR CH 1/10W	2.2K	1	
R2008-21	ERJ3GEYJ103	M. RESISTOR CH 1/16N		10		R2248	ERJ6GEYG183	M. RESISTOR CH 1/10W	18K	1	
R2022-27	ERJ3GEY0R00	M. RESISTOR CH 1/18W	0	e		R2249	ERJ6GEY6103	M. RESISTOR OH 1/10W	10K	1	
R2028	ERJ3GEYJ473	M. RESISTOR CH 1/16H	47K	1		R2250, 51	ERJ6GEYF472	M. RESISTOR CH 1/10W	4. 7K	2	
R2029-31	ERJ3GEY0R00	M. RESISTOR CH 1/16Y		3		R2252-54	ERJ6GEY6332	M. RESISTOR CH 1/10W	3. 3K	3	
R2032	ERJ3@EYJ473	M. RESISTOR OR 1/16W	47K	1		R2255	ERJ6GEY6222	M. RESISTOR CH 1/10W	2. 2K	1	
R2033	ERJ3GEYJ563	■. RESISTOR OH 1/16W	56K	-1		R2256, 57	ERJ6GEY6103	M. RESISTOR CH 1/10W	10K	2	
R2034		M. RESISTOR CH 1/16W		1		R2258		M. RESISTOR CH 1/10W	4. 7K	-1	
R2035	+	M. RESISTOR CH 1/16%	22	1		R2261		M. RESISTOR CH 1/10W	10K	1	
R2036		M. RESISTOR CH 1/16W		1		R2262	ERJ6GEY0161	M. RESISTOR III 1/10W	180	- 1	
R2038	-	M. RESISTOR OH 1/16W		1		R2263	-	M. RESISTOR III 1/10W	1 OK	1	
R2039		M. RESISTOR III 1/16W		1		R2264		M, RESISTOR CH 1/10W	47K	_1	
R2040		M. RESISTOR iii 1/169		1		R2265,		M. RESISTOR CH 1/10W	LOK	2	
R2042		M. RESISTOR CH 1/16W	0	1		R2267		M. RESISTOR OH 1/10W	22K	1	
R2045	-	M. RESISTOR 1/18W	0	1		R2268		M. RESISTOR CH 1/10W	10K	1	
R2047		M. RESISTOR CH 1/16W	110	\square			ERJ6GEYG101	M. RESISTOR CH 1/10W	100	7	
R2048		M. RESISTOR 1/16W	0	1				ML RESISTOR CH 1/10W	33K	5	
R2049		M. RESISTOR OH 1/10W	0	1		R2285		M. RESISTOR CH 1/10W	2.2K	1	
R2050		M. RESISTOR CH 1/16W	0	1		R2286	ERJ6GEYF333	M RESISTOR CH 1/10W	33K	1	
R2052		M. RESISTOR CH 1/16W	0	1		R2287		M. RESISTOR CH 1/10W	1. 5K	1	
		M. RESISTOR CH 1/16W	0			R2288		M. RESISTOR CH 1/10W	1K	1	
		M. RESISTOR CH 1/16W		-		R2289		M. RESISTOR CH 1/10W	33K	1	
		M. RESISTOR OH 1/10W		2		R2290		M. RESISTOR CH 1/10W	1K	4	
R2065		M. RESISTOR CH 1/16W		-		R2291		M. RESISTOR CH 1/10W	100	1	
R2068		M. RESISTOR CH 1/16%		1				M. RESISTOR CH 1/10W	1K	4	
R2073		M. RESISTOR CH 1/16W		-				M, RESISTOR CH 1/10W	0		
R2074		M. RESISTOR CH 1/16W		1						2	
R2076		M. RESISTOR OH 1/16W						M. RESISTOR CH 1/10W	2. 7K	1	
R2077		M. RESISTOR CH 1/16W		1		R2302		M. RESISTOR III 1/10W	1K	1	
R2079		M. RESISTOR III 1/16W		1				M. RESISTOR OH 1/10W	2. 2K	1	
R2080		M. RESISTOR CIII 1/16W		1		R2304		M. RESISTOR III 1/10W	10K	1	
R2081		M. RESISTOR EII 1/18W		-1		R2305		M. RESISTOR III 1/10W	-	1	
R2082		M. RESISTOR CH	186	1				M. RESISTOR CH 1/10W	1K	7	
R2084		M. RESISTOR CH 3W	33K	1		R2313		M. RESISTOR CH 1/10W	10K	1	
		M. RESISTOR CH 1/16W		2		R2314		M. RESISTOR CH 1/10W	22K		
		ML RESISTOR CH 1/16W	100	2		R2315		M. RESISTOR CH 1/10W	47K	1	
R2090		M. RESISTOR CH 1/18W	0	1		R2316		M. RESISTOR CH 1/10W	2. 7K	1	
R2092		M. RESISTOR CH 1/16W	100	_ 1		R2317	_	M. RESISTOR CH 1/10W	22K	1	
		M. RESISTOR CH 1/16W	100	4		R2318		M. RESISTOR CH 1/10W	47K	1	
		M. RESISTOR CH 1/16W	100	3		R2319		M. RESISTOR CH 1/10W	2. 2K	_1	
R2111		M. RESISTOR OH 1/10%	22K	1		R2320		M. RESISTOR CH 1/10W	47K	- 1	
		M. RESISTOR CH 1/16W	FOK	-!				M. RESISTOR CH 1/10W	22K	1	
		M. RESISTOR CH 1/10W		1		R2322		M. RESISTOR CH 1/10W	10K	1	
		M. RESISTOR CH 1/16W	0	1		R2323		M. RESISTOR CH 1/10W	47K	1	
		M. RESISTOR CH 1/16W	10K	2		R2324		M. RESISTOR CH 1/10W	10K	1	
R2201		M. RESISTOR CH 1/10W		1				M. RESISTOR CH 1/10W	47K	1	
R220Z		M. RESISTOR CH 1/10W	108	1		R2326		M. RESISTOR WI 1/10W	22K	1	
R2203	ERJ6GEYG222	M. RESISTOR CH 1/10W	2. 2K	1		R2327	ERJ6GEYG103	M. RESISTOR CH 1/10W	10K	1	
				$\vdash \vdash$							

Ref. No. 2	Part Mo.	Part Name & DescriptionPos	Remarks	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
		M. RESISTOR # 1/10W 47K 2	Keneres			M. RESISTOR CH 1/18W 10K	2	
				R3072		M. RESISTOR CH 1/16W 100K	1	
R2330		M. RESISTOR III 1/10W 10K 1					+	
R2331		ML RESISTOR III 1/10W II 1		R3073		M. RESISTOR CH 1/16W 56K	!	
R2504	ERJ6GEYG102	M_RESISTOR OH 1/10W IK 1		R3074	ERJ3GEYOROO	M. RESISTOR CH 1/16W	1	
R2505	ERDS2TJ681	C. RESISTOR 1/4W 680 1		R3075	ERJ36EYJ101	MLRESISTOR CH 1/16W 100	1	
R2513	ERJ6GEY0102	M. RESISTOR CH 1/10W 1K 1		R3077	ERJ3GEYOROO	M. RESISTOR CH 1/16W	1	
R2514	ERDS2TJ681	C. RESISTOR 1/4W 680 1		R3079	ERJ6GEYOROO	M. RESISTOR CH 1/10W 0	ī	
R2523	ERJ6GEYG331	M. RESISTOR OH 1/10W 330 1		R3080-83	ERJ3GEY0R00	M. RESISTOR CH 1/16W	4	
	ERDS2TJ122	C. RESISTOR 1/4W 1.2K 1		R3084		M. RESISTOR CH 1/18W 1.5K	ī	
R2524							H	
		M. RESISTOR CH 1/10W 470 3		R3085		M. RESISTOR OH 1/16W 1K	 	-
R2528		M. RESISTOR OH 1/10W TOK I		R3086		M. RESISTOR CH 1/16W	1	
R2534, 35	ERJ86EYG103	M. RESISTOR OH 1/10W 10K 2		R3088		M. RESISTOR OH 1/16W 10K	1	
R2537	ERJ66EYG183	M. RESISTOR OR 1/10W 18K 1		R3089, 90	ERJ3GEYJ392	M. RESISTOR CH 1/16W 3.9K	2	
R2538, 39	ERJ66EY6104	M, RESISTOR OR 1/10W 100K 2		R3091	ERJ3GEYJ272	M. RESISTOR CH 1/16W 2.7K	1	
R2540, 41	ERJ6GEYG103	M. RESISTOR OR 1/10W 10K 2		R3092	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R2543		M. RESISTOR CH 1/10W 15K 1		R3094	ERJ3GEYJ103	M, RESISTOR OH 1/16W 10K	1	
		N, RESISTOR CH 1/10W 470K 1		R3095		M. RESISTOR CH 1/16W 0	1	
				R3097		M. RESISTOR CH 1/16W 47K	1	
							-	
R2546		M. RESISTOR OH 1/10W 18K 1				M. RESISTOR CH 1/16W 1K	2	
R2547		M. RESISTOR OR 1/10W 47K I		R3100		M. RESISTOR CH 1/16W 1.8K	Ľ	
R2548	ERJ66EYG103	M. RESISTOR CH 1/10W 10K 1		R3101		M. RESISTOR CH 1/16W 0	\perp	
R2549	ERJ66EYF473	M. RESISTOR CH 1/10W 47K I		R3102	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R2550	ERJ86EY6104	M, RESISTOR CH 1/10W 100K 1		R3117	ERJ3GEYJ223	M, RESISTOR CH 1/16W 22K	Lī	
R2551		M. RESISTOR CH 1/10W 18K 1		R3120-22	ERJ3GEYG152	M. RESISTOR CH 1/16W 1.5K	3	
R2552		M. RESISTOR ON 1/10W 470K 1		R3123		M. RESISTOR CH 1/16W 560K	1	
							1	
R2553		M. RESISTOR CH 1/10W 15K 1		R3128			 '	
R2554		III. RESISTOR ON 1/10W 330 1		R3129		M. RESISTOR CH 1/16W 560	1	
R2555	ERDS2TJ122	C. RESISTOR 1/4W 1.2K 1		R3130		M. RESISTOR CH 1/16W 27K	1.1	
R2558	ERJ6GEYJ471	M. RESISTOR CH 1/10W 470 1		R3131	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	
R3001	ERJ3RBD104	M. RESISTOR OH 3W 100K 1		R3132	ERJ3GEYJ681	M. RESISTOR CH 1/16W 880	1	
		M, RESISTOR CH 1/16W 3.3K I		R3133	ERJ3GEYJ272	M. RESISTOR CH 1/16W 2.7K	1	
		M. RESISTOR OH 1/16W III 1		R3201		M. RESISTOR CH 2W 1K	1	
F		M. RESISTOR OH 1/16W 10K 2		R3202		M. RESISTOR CH 1/16W	1	
				R3202		M. RESISTOR CH 1/16W 5.6K	1	
R3009		M. RESISTOR CH 1/16W 5.6K 1		—				
		M. RESISTOR CH 1/16W 1K 1		R3204		M. RESISTOR CH 1/16W 470	1 1	
		M. RESISTOR CH 1/16W 22K 2		R3205		M. RESISTOR CH 1/16W 5. 6K	1	
R3013	ERJ3GEY6332	M, RESISTOR CH 1/16W 3, 3K 1		R3206, 07	ERJ3GEYJ121	M. RESISTOR CH 1/16W 120	2	
R3014	ERJ3GEY6472	M. RESISTOR CH 1/16W 4.7K 1		R3208	ERJ3GEYG822	M. RESISTOR ON 1/16W II. 2K	1	
	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100 1		R3209	ERJ3GEYJ562	M. RESISTOR UN 1/16W 5.6K	1	
		M, RESISTOR CH 1/16W 100K 1		R3210	ERJ3GEYJ561	M. RESISTOR CH 1/16W 560	1	
R3018	ERJ3GEYG471	M. RESISTOR CH 1/16W 470 1	-	R3211		M. RESISTOR OH 1/16W	1	
R3019				R3212		M. RESISTOR CH 1/16W 0	ΙŤ	
							Ηi	
R3020	ERJ3GEYJ271	M. RESISTOR CH 1/16W 270 I		R3213			H	
R3021	ERJ3GEYG332	M, RESISTOR OH 1/16W 3.3K 1		R3214		M. RESISTOR CH 1/16W 1K	1	
R3022	ERJ30EYJ121	M. RESISTOR CH 1/16W 120 1		R3215		M, RESISTOR OH 1/10W 0	1.1	
R3023	ERJ3GEYG682	M. RESISTOR CH 1/16W 6.8K 1		R3217	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	1	
R3024	ERJ30EYG332	M, RESISTOR OH 1/16W 3.3K 1		R3218	ERJ3GEYJ392	M. RESISTOR CH 1/16W 3. 9K	1	
R3028	ERJ36EYJ273	M. RESISTOR OH 1/16W 27K 1		R3219	ERJ3RBD222	M. RESISTOR CH 3W 2.2K	1	
R3027		M. RESISTOR OH 1/16W 2ZK 1		R3220		M. RESISTOR CH 1/16W 580K	1	
				R3221		M. RESISTOR CH 1/16W 390	1	
R3028				R3222		• • • • • • • • • • • • • • • • • • • •	+	
R3034		M. RESISTOR CH 1/16W 8.2K 1					-	
R3035		RESISTOR CH 1/16W 22K 1		R3223		M. RESISTOR CH 3W 2.2K	1	
R3036		M, RESISTOR CH 1/16W 8.2K 1		R3224		M. RESISTOR CH 1/16W 10K	1	<u> </u>
R3037		M. RESISTOR CH 1/16W 22K 1		R3225		M. RESISTOR CH 1/16W 3.9K	1	
R3038	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0 1		R3226	ERJ3GEYJ224	M. RESISTOR ON 1/16W 220K	1	
R3039	ERJ36EYJ105	M. RESISTOR CH 1/16W 1W 1		R3227	ERJ3GEYJ563	M. RESISTOR CH 1/16W 56K	1	
R3041		M. RESISTOR CH 1/16W 270 1		R3228		M. RESISTOR IIII 1/16W 3.9K	T	
R3042		M. RESISTOR CH 1/18W 1M 1		R3229		M. RESISTOR CH 1/16W 220K	1	-
				R3230		M. RESISTOR CH 1/10W 0	1	1 "
R3043							1	
R3044		M. RESISTOR CH 1/16W 220 1		R3232	-		<u> </u>	
R3046		M. RESISTOR CH 1/16W 220 1		R3233		M. RESISTOR CH 1/16W 330	1	
R3047	ERJ36EY6471	M. RESISTOR CH 1/18W 470 1		R3234	ERJ3GEY6472	M. RESISTOR CH 1/16W 4.7K	1	
R3048, 49	ERJ36EYJ221	M. RESISTOR CH 1/16W 220 2		R3235-37	ERJ3GEYJ392	M. RESISTOR CH 1/16W 3.9K	3	
		M. RESISTOR CH 1/18W 470 2		R3238	ERJ36EYJ104	M. RESISTOR CH 1/16W 100K	1	
R3052		M. RESISTOR CH 1/18W 1M 1		R3239		M. RESISTOR CH 1/16W 10K	1	
R3053		M. RESISTOR CH 1/16W 0 1				M. RESISTOR CH 1/16W 3, 9K	2	" "
				R3240. 41		M. RESISTOR CH 1/16W 0	1	
R3054						m 1111	-	
		M. RESISTOR CH 1/15W 10K 2		R3243		M. RESISTOR CH 1/16W 1K	1	
R3059		M. RESISTOR CH 1/10W 1		R3245		M. RESISTOR CH 1/16W 10K	1	
R3060, 61	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K 2		R3248		M RESISTOR CH 1/16W 0	1	
R3063	ERJ3GEYJ271	M. RESISTOR CH 1/16W 270 1		R3249	ERJ30EYJ683	M. RESISTOR CH 1/16W 88K	1	
R3064		M. RESISTOR CH 1/16W II 1		R3256	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	
R3085		M. RESISTOR CH 1/16W 1K 1		R3257		M. RESISTOR CH 1/16W 120K	1	
R3066		M. RESISTOR CH 1/16W II 1		R3258-66		M. RESISTOR CH 1/16W 1K	9	
_				R3267		M. RESISTOR CH 1/16W	1	
K3007, 68	ERJ3GEYG102	M. RESISTOR 1/16W 1K 2		ROZU/	ENGRGE FOROU	m. «E01010/10/10/10/10/10/10/10/10/10/10/10/1	+-	-
					-		\vdash	
				L		<u> </u>		

Ref. No.	Part No.	Part Name ■ [Basseri	DI Í AF	Б.,	Remarks	Ref. No.	Part No.	Part Name & I	Descri	ntior	Pr.	Remarks
R3268	ERJ30EYJ473	M. RESISTOR CH		47K	1	Reliidi KS			M. RESISTOR CH		2. 2K	1	Kundika
					_							<u>'</u>	
		M. RESISTOR CH		0	4			-	M. RESISTOR CH		47K	2	
R3301-07	ERJ3GEY0R00	M. RESISTOR CH	1/16W		7		R3934	ERJ6GEY0273	M. RESISTOR CH	1/10W	27K	_1	
R330B	ERJ3@EYJ562	M. RESISTOR	1/16W	5. 6K	1	[]	R3935	ERJ6GEY6683	M. RESISTOR CH	1/1 0W	68K	1	
R3309, 10	ERJ3GEYOROO	ML RESISTOR UN	1/16%	0	2		R3936, 37	ERJ6GEYG183	M. RESISTOR CH	1/10%	18K	2	
R3312		M. RESISTOR		a	1				M. RESISTOR CH		18K	1	
				10K	1				M. RESISTOR		33K	3	
R3601		M. RESISTOR			-			_				-	{-
R3602	ERJ6GEY0392	M. RESISTOR CH	1/10W	3. BK	1				M. RESISTOR		58K	1	
R3603, 04	ERJ6GEYF472	M. RESISTOR CH	1/10₩	4. 7K	2		R4008	ERJ6GEYG223	M. RESISTOR	1/10W	22K	1	
R3605	ERJ66EY0103	M. RESISTOR CH	1/10W	10K	1	11	R4007	ERJ6GEYG683	M. RESISTOR CH	1/10W	68K	1	
R3606	ERJ6GEYG102	M. RESISTOR CH	1/10₩	1K	1		R4008	ERJ66EYG223	M. RESISTOR IIII	1/10W	22K	1	
R3607		M. RESISTOR CH		220K	1		R4009	ERJ68EYG104	M. RESISTOR CH	1/10W	100K	1	
R3608				1K	H				M. RESISTOR CH		22K	1	
		M. RESISTOR CH	_		÷						_		
R3609	ERJ66EYG821	M. RESISTOR	1/10#	820	1				M. RESISTOR CH		100K	1	
R3610	ERJ86EYG681	M. RESISTOR CH	1/10W	680	_1		R4012	ERJ6GEYG223	M. RESISTOR CH	1/10W	22K	1	
R3611	ERJ6GEYG102	M. RESISTOR CH	1/10W	1K	1	l II	R4014	ERJ6GEYF472	M. RESISTOR CH	1/1 0 W	4. 7K	í	
R3612	ERJ86EYG474	M. RESISTOR CH	1/10W	470K	1		R4015	ERJ6GEYJ113	M. RESISTOR OR	1/10h	11K	1	
R3613		M. RESISTOR ON		47K	1		_		M. RESISTOR CR	1/10W	2.2K	1	
					2				M. RESISTOR CH		4. 7K	1	
		M. RESISTOR CH		1K	-								··· ·
R3617		M. RESISTOR CH		1K	1				M. RESISTOR CH		1.0	1	
R3618	ERJ6GEYF561	M. RESISTOR CH	1/1 0 W	560	_1		R4019	ERJ6RBD471	M. RESISTOR CH	1/1 0W	470	1	
R3620	ERJ6GEYG332	M. RESISTOR CH	1/1 0%	3. 3K	_1		R4020	ERJ6RBD102	M. RESISTOR CH	1/1018	1K	_ 1	
R3621	ERJ60EYF473	M. RESISTOR CH	1/10W	47K	1		R4021, 22	ERJØRBD202	M. RESISTOR CH	1/10%	2K	2	
R3622	····	ML RESISTOR III		100	1				M. RESISTOR CH		1K	1	
				10K	⊢∸		_				200	1	
R3623		M. RESISTOR CH			1				M. RESISTOR CH		_	_	
R3624	ERJ6GEYOROD	M. RESISTOR CH		0	_				M. RESISTOR CH	_	0	3	
R3625	ERJ6GEYF473	M. RESISTOR CH	17108	47K	-1		R4203, 04	ERJ3RBD103	M. RESISTOR CH	3₩	10K	_2	
R3626	ERJ6GEY6101	M. RESISTOR III	1/10W	100	-1		R4205, 06	ERJ3GEY0R00	M. RESISTOR CH	1/16W	Ò	-11	
R3627	ERJ6GEY6104	M. RESISTOR III	1/10W	100K	1		R4207-10	ERJ3RBD103	M. RESISTOR CH	ЗW	10K	4	
R3628		M. RESISTOR		15K	1	<u> </u>			M. RESISTOR IIII	31/	10K	2	
				10K	2				M. RESISTOR IIII		0	2	
		M. RESISTOR			_						_	_	-
R3631	ERJ6GEY6222	M. RESISTOR CH	1/10W	2. 2K	_1				M. RESISTOR CH	3#	10K	2	·
R3632	ERJ6GEY8103	M. RESISTOR	1/10W	10K	1		R4219-22	ERJ3RBD472	M, RESISTOR CH	1/10W	4. 7K	4	<u> </u>
R3633	ERJ6GEY0101	M. RESISTOR CH	1/10W	100	-1		R4223, 24	ERJ3RBD103	M. RESISTOR CH	3₩	TOK	2	
R3634	ERJ6GEYG683	M. RESISTOR CH	1/10W	68K	1		R4225, 26	ERJ3GEYJ103	M. RESISTOR CH	1/16W	1 OK	1	
R3635	ERJ6GEYJ684	M. RESISTOR CH		880K	1		R4227. 💷	ERJ3GEY0R00	M. RESISTOR CH	1/16₩		2	
R3636		M. RESISTOR CH		75	1		-		M. RESISTOR CH		330	4	
					_						_	_	
R3637		M. RESISTOR CH		330	- 1				M. RESISTOR CH		0	_1	
R3638	ERJ6GEYG824	M. RESISTOR CH	1/10W ·	820K	1		R4301	ERJ8RBD103	M. RESISTOR CH	1/10#	TOK	_1	
R3640	ERJ6GEY0392	M. RESISTOR CH	1/10W	3. 9K	-1		R4302	ERJ6RBD391	M. RESISTOR CH	1/10₩	390	1	
R3641	ERJ6GEYG102	M. RESISTOR CH	1/10#1	ΙK	-1	11	R4303	ERJ6R8D472	M. RESISTOR CH	1/1 0W	4. 7K	-1	
R3643	ERJ6GEYG222	M. RESISTOR CH	1/10₩	2.2K	i	1	R4305	ERJ6RBD103	M. RESISTOR CH	1/10W	10K	1.	
R3701		M. RESISTOR CH		100K	1				M. RESISTOR CH		19K	2	
			_		-	i-					-	1	
R3702		M. RESISTOR CH			1				ML RESISTOR CH		100		
R3703	ERJ3GEYJ103	M. RESISTOR CH	1/161	1 0 K	1				M. RESISTOR CH		18K	1	
R3709	ERJ3RBD272	M. RESISTOR OH	317	2. 7K	1		R4310	ERJ6GEYG101	M. RESISTOR CH	1/10#	100	-1	
R3710	ERJ3RBD332	M. RESISTOR CH	3/1	3.3K	1		R4311	ERJ6GEY6102	M. RESISTOR CH	1/10%	1K	1	
R3711	ERJ3GEYJ394	M. RESISTOR CH	1/18\	390K	1		R4312	ERJ6GEY6101	M. RESISTOR CH	1/10W	100	ì	
R3715-18		M. RESISTOR CH	311	56	4		R4313	ERJ6GEYG183	M. RESISTOR CH	1/10W	18K	1	
R3719		M. RESISTOR OR		390	1	——————————————————————————————————————			M. RESISTOR CH		1K	1	
				_	-	——————————————————————————————————————						_	
R3720		M. RESISTOR CH		4. 7K	_	<u> </u>			M. RESISTOR ON		12K	1	
		M. RESISTOR CH		10K	5	_			M. RESISTOR CH		10K	1	
R3728-33	ERJ3GEYJ103	M. RESISTOR CH	1716W	10K	8		R4317	ERJ6RBD123	M. RESISTOR CH	1/10#	12K	1	
R3735	ERJ3GEYOROO	M. RESISTOR CH	1/16W		1		R4318	ERJ6RED204	M. RESISTOR CH	1/10W	200K	_1	
R3738	ERJ3GEYJ103	M. RESISTOR OH	1/1 6 W	1 OK	1		R4319	ERJ6RB0104	M. RESISTOR CH	1/10W	100K	1	
R3737		M. RESISTOR CH		27	1				M. RESISTOR CH		TOK	1	
		M. RESISTOR OH		10K	2	——————————————————————————————————————			M. RESISTOR CH		100K	1	
					-	-					_		
		M. RESISTOR CH		75	9				M. RESISTOR OH		200K	1	
R3910	ERJ6GEYF472	M. RESISTOR CH	1/1 0 %	4, 7K	1				M. RESISTOR CH		27K	1	
R3911	ERJ6GEYG331	M. RESISTOR CH	1/1 0%	330	1		R4324	ERJ6RBD751	M. RESISTOR CH	1/10W	750	1	
R3912	ERJ6GEYF333	M. RESISTOR CH	1/10W	33K	1		R4325	ERJ6RED204	M. RESISTOR CH	1/10%	200K	- 1	
		M. RESISTOR CH		120	1				M. RESISTOR CH		1.1K	1	
R3914		M. RESISTOR OH		110	1	· · · · · · · · · · · · · · · · · · ·			M. RESISTOR CH		100	_	_
					_	-						_	
R3915		M. RESISTOR CH		22K	1	<u> </u>			M. RESISTOR CH		200K	1	
R3916	ERJ6GEYF333	M. RESISTOR CH	1/10W	33K	- (R4329		M. RESISTOR CH		330	1	
R3917	ERJ6GEYG331	. II. RESISTOR CH	1/1 0%	330	-1		R4330	ERJ6GEYG101	M. RESISTOR CH	171 0 %	100	-1	
R3918	ERJ6GEYG223	M. RESISTOR CH	1/10%	22K	-1		R4331	ERJ6GEY0105	M. RESISTOR CH	1/10W	1,6	1	
		M. RESISTOR CH		110	1	1			M. RESISTOR CH		22K	1	
R3920		M. RESISTOR CH		120	-	——————————————————————————————————————			. RESISTOR CH		47K	1	
				_		-						-	
		M. RESISTOR CH		75		-			M. RESISTOR CH		18	-	_
R3924		C. RESISTOR	1/4W	560	1				. RESISTOR		22K	_1	
R3925	ERJ6GEYG104	M. RESISTOR CH	1/10W	100K	1		R4338	ERJ6GEY0103	M. RESISTOR IIII	1710#	10K	_(
R3926	ERJ6GEYG750	M. RESISTOR CH	1/10%	75	1		R4337	ERJ6RBD273	MI, RESISTOR IIII	1/10%	27K	1	
R3927		M. RESISTOR CH		8. 2K	1	1			M. RESISTOR CH		0	1	
R3928		M. RESISTOR CH		4.7K	-				M. RESISTOR OH		36K	1	
	TVAART (1, 4)T	No more real	er CVII	7. /h	-		V-1000	2.10-0.100000	includes to task out	,, , , , , , ,	awii.	-	
\vdash											\rightarrow	_	
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Ref. No.	Part No.	Part Name & DescriptionPo	s Remarks	Ref. No.	Part No.	Part Name & Descriptio	rPc	s Remarks
R4340	ERJ8RBD103	M. RESISTOR CH 1/10W 10K 1		R6008	ERJ3GEYJ151	M, RESISTOR CH 1/16W 150	_	
R4342	ERJ6RBD683	M. RESISTOR CH 1/10W 88K 1		R6009	ERJ3GEYJ103	M. RESISTOR OH 1/16W 10M		
R4343	ERJ6RBD223	M. RESISTOR CH 1/10W 22K 1		R6010	ERJ3GEYJ560	M. RESISTOR CH 1/16W 56	1	
R4344	ERJ6RBD683	M. RESISTOR IIII 1/10W 68K 1		R6011	ERJ36EY6152	M, RESISTOR CH 1/16W 1.5H	1	
R4345	ERJ6RB0223	M. RESISTOR IIII 1/10W 22K 1		R6012	ERJ3GEYJ151	M. RESISTOR CH 1/16W 150	1 1	
R4347	ERJ3GEYJ103	M RESISTOR CH 1/16W 10K 1		R8014	ERJ30EYJ105	M. RESISTOR CH 1/16W 1h	1 1	
R4348, 49	ERJ6GEYG681	M. RESISTOR CH 1/10W 680 2		R6015	ERJ3GEYJ220	M. RESISTOR CH 1/16W 22	-	
R4350	ERJ36EYJ124	M. RESISTOR CH 1/16W 120K 1		R6016-18	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	-	
R4351	ERJ6RBD392	M. RESISTOR CH 1/10W 3.9K 1		R6019	ERJ30EY0R00	M. RESISTOR CH 1/16W C	-	
R4352	ERJ6RBD103	M. RESISTOR CH 1/10W 10K 1		R8024	.	M. RESISTOR CH 1/16W 150	1	
R4353	ERJ6R80392	M, RESISTOR CH 1/10W 3.9K 1		R6025-28	ERJ3GEY0R00	M. RESISTOR CH 1/16W	-	
R4354, 55	ERJ6RBD223	M, RESISTOR CH 1/10W 22K 2		R6029	ERJ3GEYJ392	M. RESISTOR CH 1/16W 3.9K	-	
R4356	ERJ8R8D103	M. RESISTOR CH 1/10W 10K 1		R8034, 35	ERJ3GEY0R00	M. RESISTOR CH 1/16W C	-	
R4357	ERJ6RBD363	M. RESISTOR CH 1/10W 36K 1		R6036-38	ERJ3GEYJ151	M. RESISTOR CH 1/16W 150	9	
R4358	ERJ66EYG102	M. RESISTOR CH 1/10W 1K 1		R6039	ERJ3GEY0R00	M, RESISTOR CH 1/16W C	1	
R4359	ERJ6RBD103	M. RESISTOR CH 1/10W 10K 1		R6042	ERJ3GEY0332	M. RESISTOR CH 1/16W 3.3K	1	
R4360	ERJ6RBD363	M. RESISTOR CH 1/10W 36K 1		R6043	ERJ3GEYJ333	M. RESISTOR CH 1/16W 33K	1	
R4361	ERDAS39660	M. RESISTOR 3W 68 1		R6044	ERJ3GEYG332	M. RESISTOR 1/16W 3.3K	1	
R4362	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K 1	:	R6045	ERJ3GEYJ333	M. RESISTOR OH 1/16W 33K	1	
R4363	ERJ6GEY6103	MLRESISTOR CH 1/10W 10K 1		R6046	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	
R4364	ERJ6RBD103	M. RESISTOR CH 1/10N 10K 1		R6047	ERJ3GEYG102	M. RESISTOR I/I6W 1K		
R4365	1	MLRESISTOR 3W 68 1		R6048, 49	-	M. RESISTOR 1/16W 150	-	
R4366		M. RESISTOR III 1/10W 10K 1		R6050	· -	M. RESISTOR CH 1/18W 1.5K	-	
R4367	ERJ6RB0103	N. RESISTOR CH 1/10W 10K 1	<u> </u>	R6051		M. RESISTOR CH 1/16W 150	_	
R4368		ML RESISTOR III 1/10W 1K 1		R6052		M. RESISTOR CH 1/16W 47K	-	
R4369	ERJ3RBD513	M. RESISTOR OH 3W 51K 1		R6053		M. RESISTOR III 1/18W 0	_	
R4370		M. RESISTOR CH 1/16W 220 1		R6054, 55		M. RESISTOR GH 1/16W 10K	_	
R4371		M. RESISTOR CH 1/10W 1K 1		R6056, 57	_	ML RESISTOR CH 1/18W 3.3K		
R4372		M. RESISTOR 1/16W 220 1		R6058-61		M. RESISTOR CH 1/16W	•	
R4373	ERJ3RBD513	M. RESISTOR CH 3W 51K 1		R6063-65		M. RESISTOR CH 1/16W 1K	-	
R4374		M. RESISTOR CH 1/10W 100 1		R6066		M. RESISTOR CH 1/16W 2.2K	+-	
R4375		M. RESISTOR CH 1/10W 1K 1		R6067		M. RESISTOR ON 1/18W IK	-	
R4376		M. RESISTOR CH 1/10W 0 1		R6068,		M. RESISTOR CH 1/16W 330	-	
R4377		M. RESISTOR CH 1/10W 10K 1	ļ	R6070		M. RESISTOR CH 1/16W 3.3K	-	
R4379		M. RESISTOR CH 1/16W 100 1		R6071		M. RESISTOR OH 1/16W 22K	-	
R4380		M. RESISTOR CH 1/16W 1K 1		R6072		M. RESISTOR OH 1/16W 0	-	
R4381		M. RESISTOR CH 1/16W 100 1		R6073		M. RESISTOR CH 1/16W 47K	-	
R4382		M. RESISTOR CH 1/10W 0 1				M. RESISTOR CH 1/16W 0	-	
R4384		M, RESISTOR OH 1/10W 1K 1		R8080		M. RESISTOR CH 1/16W 2.2K	-	
R4385		M. RESISTOR CH 1/10W 100 1 M. RESISTOR CH 1/16W 1K 1		R6082		M. RESISTOR OH 1/16W O M. RESISTOR III 1/16W O	-	
R4386 R4387				R6084, 85		M. RESISTOR CH 1/16W 0	-	
R4387	-	M. RESISTOR CH 1/16W 4, 7K 1 M. RESISTOR CH 1/10W 10K 1		R6089-91		M. RESISTOR CH 1/16W 0	-	
R4389	-	M. RESISTOR OF 1/16W 4.7K 1		R6089-91		M. RESISTOR CH 1/16W 1K	-	
R4389	-	M. RESISTOR OF 1/10W 4.74 I		R6092		M. RESISTOR CH 1/16W 58	'	
R4390 R4391		M. RESISTOR CH 1/16W 22K 1		R6095		M. RESISTOR CH 1/16W 22K	-	
R4391 R4392		M. RESISTOR CH 1/10W 1		R6096		M. RESISTOR CH 1/16W 1K	_	
R4392 R4393		M. RESISTOR CH 1/10N 10K 1		R6097	-	M. RESISTOR IIII 1/16W 47K	-	
R4394		M. RESISTOR CH 1/16W 580 1	· · · · · · · · · · · · · · · · · · ·		1		H	
R4398		M. RESISTOR OH 1/10W 100 1		R6099		M. RESISTOR CH 1/16W 10K	-	
R4397		M. RESISTOR CH 1/16W 0 1		R6100	-	M, RESISTOR 1/16W 1K	+-	
		M. RESISTOR CH 1/16W 1K 1		R6101		M. RESISTOR OH 1/16W 22K	+	
		M. RESISTOR DN 1/16W 5. BK 3				M. RESISTOR III 1/16W 3, 3K	-	
		ML RESISTOR CH 1/16W 5. 6K 3		R6104		M. RESISTOR OH 1/16W 0	+	
		M, RESISTOR CH 1/10W 10K 2		R6105		M. RESISTOR 1/18W 15K	+	
R4703		M. RESISTOR 1/10W 2. 2K 1		R6107	_	M. RESISTOR CH 1/16W C	\leftarrow	
		M, RESISTOR OH 1/10W 0 1		R6108		M. RESISTOR CH 1/16W 100K	\rightarrow	
		NURESISTOR DH 1/10W 2, 2K 1		R7302		M. RESISTOR III 1/16W 0	+	
		ML RESISTOR CH 1/10W 0 4		R7305.		M. RESISTOR CH 1/10W 100	+	
R4710		M. RESISTOR 1/10W 1.5K 1		R7316		M. RESISTOR CH 1/16W 10K	+-	
		M. RESISTOR OH 1/10W 0 7		R7318		M. RESISTOR CH 1/16W 220	-	
R4719	-	ML RESISTOR IN 1/10W III 1		R7324		M. RESISTOR OH 1/16W 39K	+	
R4721		M. RESISTOR DE 1/10W 2.7K 1		R7325		M. RESISTOR CH 1/16W 10K	+	
R4722		M. RESISTOR 1/10W 2.2K 1		R7326		M. RESISTOR CH 1/18W 39K	-	
R4723		M. RESISTOR III 1/10W 47K 1		R7327	ERJ3GEYG822	M, RESISTOR CH 1/16W 8.2K	1	
R4724		MURESISTOR INI 1/10W 4.7K 1				M. RESISTOR CH 1/16W 220	2	
R4726		M. RESISTOR III 1/10N 0 1				ML RESISTOR CH 1/10W 100	2	
R4727	ERJ6GEYG103	NURESISTOR ON 1/10W 10K 1		R7603	ERJ6GEY6102	M. RESISTOR OH 1/10W 1K	1	
-		ML RESISTOR EN 1/10W 27K		R7604		M. RESISTOR CH 1/10W 0	-	
		M. RESISTOR CH 1/10W 100 2		R7605, 06		M. RESISTOR 2W 330	2	
		ML RESISTOR CH 1/10W 100 2				M. RESISTOR CH 1/10W 68K	1	
		MLRESISTOR CH 1/10W 100 2		R7609, 10		M. RESISTOR CH 1/10W 150	2	
R6001		M. RESISTOR INI 1/16W 0 1		R7611		M. RESISTOR OH 1/10W 10K	-	
R6003		M. RESISTOR DH 1/16W 0 1		R7612		M. RESISTOR CH 1/10W 560	-	
R6006		M. RESISTOR CH 1/16W 0 1				M. RESISTOR OH 1/10W 100	-	
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Ref. No.	Part No.	Part Name & Descr	<u>ip</u> tior	Pcs	Remarks	Ref. No.	Part No.	Part Name & Descriptio	Pc	s Remarks
R7622		ML RESISTOR III 1/10W		1				M. RESISTOR OH 1/10W 100	3	
87624		M. RESISTOR CH 1/10W	1. BK	1		R30073		M. RESISTOR CH 1/16W 10K	+-	
R7651		M. RESISTOR MI 1/10W	47K	1		R30074	VLF1315A102		ti	
R7653		M. RESISTOR CH 1/10W	10K	1			ERJ3GEYJ222	M. RESISTOR 1/18W 2.2K	-	
R7936		M. RESISTOR CH 1/10W	3. 9K	H				M. RESISTOR 1/16W 100	2	
R7937		M. RESISTOR OH 1/10W	4. 7K	+		R30077, 70		M. RESISTOR CH 1/16W 560	1	
			10K	H		R30080		M. RESISTOR OH 1/19W 330K	١,	
R7938		M. RESISTOR OH 1/10%		-				M. RESISTOR CH 1/10W 330K	+	
		M. RESISTOR CH 1/10W	100	2		R30081 R30082		M. RESISTOR CH 1/10W 100K	Η,	
		M. RESISTOR CH 1/10W		-					H;	
R7944		M. RESISTOR CH 1/10W	10K	1		R30083			۱.,	
		M. RESISTOR CH 1/10%	4. 7K	1		R30086		M. RESISTOR CH 1/16W 560	 	
		M. RESISTOR CH 1/10W	10K	1		R30087		M. RESISTOR CH 1/16W 1K	Н.	
R7947		ML RESISTOR CH 1/10W	4. 7K	. 1		R30088		M. RESISTOR CH 1/16W 470	 	-
R7948		M. RESISTOR CH 1/10W	10K	. 1		R30089		M. RESISTOR CH 1/16W 47K	1	1
R7950		AL RESISTOR 1/10W	10K	1		R30090		M. RESISTOR CH 1/16W 330	-!	
R7953		M. RESISTOR CH 1/10W	0	1				M. RESISTOR CH 1/16W 470	2	
R7954		M. RESISTOR CH 1/10W	10K	1		R30093		M. RESISTOR OH 1/16W 2.2K	-	
R30001	ERJ6GEY6562	M. RESISTOR I 1/10W	5. 6K	1		R30094		M. REISITOR CH 1/10W	1	
R30002	ERJ6GEY0223	ML RESISTOR III 1/10W	22K	_1		R30095		M. RESISTOR 🖿 1/10N 3.3K	1	
R30003		M. RESISTOR OH 1/10W	100K	-1		R30097		M. RESISTOR OH 1/16W 100K	1	
R30004	ERJ66EY6272	ML RESISTOR III 1/10W	2. 7K	-1		R30098	ERJ6GEYG221	M. RESISTOR = 1/10W 220	1	
R30005	ERJ3GEYJ391	ML RESISTOR OH 1/18W	390	1		R30099	ERJ3GEYJ273	M. RESISTOR CH 1/18W 27K	1	
R30006	ERJ3GEYG114	M. RESISTOR CH 1/16W	110K	1		R30100	ERJ36EYJ224	M. RESISTOR CH 1/16W 220K	1	
R3000B	ERJ6GEYG223	M. RESISTOR CH 1/10W	22K	1		R30101	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	1	
R30009	ERJ6GEYG102	M. RESISTOR CH 1/10W	1K	-1		R30102	ERJ66EYJ225	ML RESISTOR CH 1/10W 2.2M	1	
R30010	ERJ66EY6183	M. RESISTOR OH 1/10W	18K	ī		R30103	ERJ3GEYJ473	M. RESISTOR OH 1/16W 47K	1	
R30011	ERJ36EYJ123	M. RESISTOR CH 1/16W	12K	1		R30104	ERJ36EYG472	M. RESISTOR OH 1/16W 4.7K	1	
R30012		M. RESISTOR CH 1/10W	820	ī		R30105-07	ERJ60EYF472	ML RESISTOR OH 1/10W 4.7K	3	
R30013	ERJ6GEY6132	M. RESISTOR CH 1/10W	1.3K	1		R30108	ERJ6GEYG101	M. RESISTOR CH 1/10W 100	1	
R30014	ERJ6GEYQ222	M. RESISTOR CH 1/10W	2. 2K	1		R30111	VLF1315A102	FILTER	ı	
R30017		M. RESISTOR CH 1/16W	1K	1		R30114, 15	ERJ6GEYG101	M. RESISTOR OH 1/10W 100	2	
		M. RESISTOR CH 1/16W	180	1		R30119	-	FILTER	1	
		M. RESISTOR OH 1/16W	560	1		R30120		M. RESISTOR CH 1/16W 100	1	
		M. RESISTOR CH 1/16W	33K	1				M. RESISTOR OH 1/10W 3.3K	2	
		M. RESISTOR CH 1/16W	270	1				M. RESISTOR CH 1/10W	1	
	-	M. RESISTOR OH 1/16W	22K	H				M. RESISTOR CH 1/16W 100	2	1
		M. RESISTOR CH 1/16W	1. 1K	H				M. RESISTOR CH 1/16W 10K	1	
		M. RESISTOR CH 1/16W	1K	\dashv		R30135, 36		COIL	7	,
		M. RESISTOR CH 1/16W	920	+		R30139, 40		COIL	2	
		M. RESISTOR CH 1/10W	820 1K	1				M. RESISTOR OH 1/16W 6.8K	1	·
	ERJSGEYJ101	M. RESISTOR CH 1/10W	1K	1		R30141		M. RESISTOR CH 1/16W 0.8K	1	
		M. RESISTOR ON 1/10W	560	1		—		FILTER	2	
				1				M. RESISTOR CH 1/10W 100K	H	
		M. RESISTOR CH 1/10W	33K	1		R30145 R30146	VLP0147	M. NESISTOR ON 1710N TOOK	H	
		M. RESISTOR IIII 1/16W	240	-				FILTER	H	
		M. RESISTOR III 1/10W	22K						H	+
		M. RESISTOR III 1/16W	1.1K	1				M. RESISTOR CH 1/16W 820	1 2	
		M. RESISTOR III 1/10W	1K	1				M. REISITOR CH 1/10W 6.8K	2	
$\overline{}$		M. RESISTOR III 1/10W	820	1		R30152		M. RESISTOR 1/109 10K	1	
		M. RESISTOR CH 1/16W	1K	_					1	
		M. RESISTOR CH 1/18W	1.1K					M. RESISTOR III 1/16W 10K	1	-
		M. RESISTOR 1/16W	33K	11		R30155		M. RESISTOR OH 1/10W 10K	-	-
		M. RESISTOR III 1/16W	560	_1		R30156		M, RESISTOR CH I/10W 47K		
		M. RESISTOR III 1/16W	27K	_1		R30157		M. RESISTOR CH 1/10W 4.7K	1	
R30041		M. RESISTOR IIII 1/10W	120	-1		R30158		M. RESISTOR CH 1/10W 330	1	
R30042		M. RESISTOR III 1/19W	100	_1				M. RESISTOR CH 1/16W 1.8K	1	
R30043		M. RESISTOR CH 1/16W	1 K	-1				M. RESISTOR CH 1/10W 100	2	
R30044		ML RESISTOR CH 1/16W	8. 2K	_1		R30166		M. RESISTOR CH 1/16W 5.6K	1	
R30045		M. RESISTOR CH 1/10W	12K	1		R30187		M. RESISTOR CH 1/16W 4, 7K	1	
		M. RESISTOR CH 1/16W	10K	2		R30168		M. RESISTOR CH 1/18W 56K	1	
R30048	ERJ3GEYJ821	ML RESISTOR CH 1/16W	820	-1		R30189		M. RESISTOR CH 1/10W 330	1	
R30049	ERJ6GEYF473	M. RESISTOR CH 1/10W	47K	1		R30170		M, RESISTOR OH 1/10W 820	1	
R30051	ERJ3GEYJ223	M. RESISTOR CH 1/16W	22K	-1		830171		M. RESISTOR CH 1/16W 1K	1	
R30052	ERJ3GEYJ333	M. RESISTOR CH 1/16W	33K	1		R30172	ERJ8GEYG911	₩. RESISTOR CH 1/10₩ 910	_1	
R30053	ERJ3GEYG102	ML RESISTOR CH 1/16W	1K	_1		R30173	ERJ66EYF333	M. RESISTOR CH 1/10W 33K	1	
R30054	ERJ36EYJ391	M. RESISTOR 🔳 1/16W	390	1		R30174	ERJ3GEYJ331	M. RESISTOR CH 1/18W 330	1	
R30055	ERJ3GEYJ105	M. RESISTOR CH 1/16W	18	1		R30175	ERJ66EYG223	M. RESISTOR CH 1/10W 22K	1	
R30058	ERJ3RBD153	M. RESISTOR CH 3W	15K	1		R30176	ERJ36EYJ111	ML RESISTOR CH 1/16N 36K	1	
R30057		M. RESISTOR CH 1/16W	390	-1		R30177		M. RESISTOR CH 1/16W 120	-1	
		M. RESISTOR CH 1/10W	1K	1				M. RESISTOR CH 1/16W 1K	1	
		M. RESISTOR CH 1/10W	1K	1		R30179		M. RESISTOR CH 1/10W 100K	1	
		M. RESISTOR III 1/10W		1		R30180		M. RESISTOR OH 1/10W 15K	1	
		M. RESISTOR CH 1/16W	10K	1		R30181		M. RESISTOR CH 1/16W 33K	1	
\vdash		M. RESISTOR CH 1/10W	1K	2				M. RESISTOR CH 1/16W 330	2	
		M. RESISTOR III 1/18W	10K	1		R30184		M. RESISTOR CH 1/16W 15K	1	
R30069		M. RESISTOR OH 1/10W	560	+		R30185		M. RESISTOR CH 1/16W 100	1	
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Ref. No.								
ROL- NO.	Part No.	Part Name & Descriptio	, P.C.	Remarks Ref. N	o. Part No.	Part Name & Description	٠,	s Remarks
R30186		M. RESISTOR OH 1/18W 1K	-		D. FAIL NO.	tare wante a Description	1	/S RGBGLKS
	+		-		C 11004 14000	1 11 DED 1 DED 1	╀.	
R30187	ERJ6GEY6821	M. RESISTOR CH 1/10W 820	+			4 V. RESISTOR 20K	Ŀ	3
R30188, 8	SERJ36EYJ105	M. RESISTOR CH 1/18W IM	2	VR3000	EVM7J8A00B1	5 V. RESISTOR 100K	Ľ	1
R30190	VLF1315A102	FILTER	1	VR3000	EVMEGSA00B2	4 V. RESISTOR 20K	1	<u> </u>
R30195	ERJ66EYG103	M. RESISTOR CH 1/10W 10K	7	VR3000	B. CEVN7JGA0085	V. RESISTOR 50K	1	2
R30198	ERJ86EYG101	M. RESISTOR CH 1/10W 100	1				Т	
R30197	ERJ3@EYJ221	M. RESISTOR CH 1/16W 220	1	W101, 0	ERJ3GEYORGO	M, RESISTOR III 1/16W 0	12	2
R30198		M. RESISTOR CH 1/16W 100K	-	W102	ERJ68MZGROD		-	
			-				-	
R30199	1	M. RESISTOR CH 1/18W 150K	-	W103	ERJ6GEYOROO		-	
R30200	ERJ3GEYG102	MURESISTOR CH 1/16W 1K	1	W103	ERJ86EY0R00	M. RESISTOR CH 1/8W	Ľ	1
R30201	ERJ3GEYJ561	M. RESISTOR CH 1/16W 560	1	W104	ERJ6GEY0R00	M. RESISTOR CH 1/10W	\perp	1
R30202	ERJ3GEY6102	M. RESISTOR III 1/16W 1K	1	W1 04	ERJ8GEY0R00	M. RESISTOR CH 1/8W III	1	1
R30203	ERJ6GEY6104	M. RESISTOR CH 1/10W 100K	1	W1 05	ERJ6GEY0R00	M. RESISTOR OF 1/10W	П	1
R30204	ERJ6GEYG154	M. RESISTOR CH 1/10W 150K	1	W105, 0	ERJ66MZ0R00	M. RESISTOR CH 1/10W D	2	2
R30205		M. RESISTOR CH 1/10W 470	1	W107	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	1
R30206		M. RESISTOR OH 1/18W 100K	 	W108	ERJ66MZ0R00	M. RESISTOR CH 1/10W D	1	1
			-		_		H	:
R30207		M. RESISTOR CH 1/16W 150K	-	W109	ERJ86EY0R00	M, RESISTOR CH 1/8W Q	L	
R30208		M. RESISTOR ON 1/16W 1K	-	Witt	ERJ6GMZOROO	M. RESISTOR III 1/10W 0	1	`
R30211	ERJ36EYJ391	M. RESISTOR CH 1/16W 390	1	WT12	ERJBGEYOROO	M. RESISTOR CH 1/8W C	1	1
R30212	ERJ3GEYG471	M. RESISTOR CH 1/16W 470	1	W113	ERJ3GEY0R00	M. RESISTOR OH 1/16W 0	1	1
R30213		M. RESISTOR ON 1/10W 1K	-	W114	ERJ8GEYOROD		1	ı
R30216	-	M. RESISTOR ON 1/16W 330	-	W115, 1		 	2	-
	_		-	#115, (C11000E10100	I TOTAL OF THE PERSON OF THE P	ť	
	ERJ3GEYG471	M. RESISTOR CH 1/16W 470	-				-	
R30219	ERJ6GEYF473	ML RESISTOR CH 1/10W 47K	+	X0701	VLF1418	FILTER	_ 1	·
R30220	ERJ6GEYG101	M. RESISTOR CH 1/10W 100	1	X0702	VLF1290	FILTER	Ŀ	1
830222	ERJ6GEYF561	M. RESISTOR CH 1/10W 560	1	X0703	EFCS5R5MW5	FILTER	1	
R30223	ERJ3GEYJ221	M. RESISTOR CH 1/16W 220	1	X0704	VLF1313	FILTER	1	AG-DV2700B
R30224	 	M. RESISTOR CH 1/16W 100K	1	X0704	VLF1368	FILTER	⊢	A8-DV2700E
R30224		M. RESISTOR OH 1/16W 150K	-	X2001	VSX0847	CRYSTAL OSCILLATOR	H	
	_		-			-	-	
R30226		M. RESISTOR CH 1/16W 1K	+	X2002	VSX0872	CRYSTAL OSCILLATOR	_1	-
R30227	ERJ3GEYJ473	M. RESISTOR IIII 1/18W 47K	1	X2201	VSX0830	CRYSTAL OSCILLATOR	1	<u> </u>
R30228	ERJ6GEY6821	M. RESISTOR IIII 1/10W 820	1	X2202	VSX0860	ORYSTAL OSCILLATOR	1	
R30229	ERJ3GEYJ474	M. RESISTOR CH 1/16W 470K	1	X2Z03	EF0E07374A4	CRYSTAL OSCILLATOR	1	
R30230	ERJ3GEY8102	M. RESISTOR CH 1/10W (K	1	X3001	VSX0848	CRYSTAL OSCILLATOR	1	i i
R30231		M. RESISTOR CH 1/10W 1K	-	X3003	VSX0846	CRYSTAL OSCILLATOR		+
						-	H-	`
R30232		M. RESISTOR CH 1/10W 33K	1	X3004	V\$X0932	CRYSTAL OSCILLATOR	1	+
R30233	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	1	X4701	VSX0934	CRYSTAL OSCILLATOR	_1	
R30234	ERJ68EYG331	M. RESISTOR CH 1/10W 330	1	X6001	VSX0847	CRYSTAL OSCILLATOR	1	1
R30235	ERJ66EYG101	M. RESISTOR CH 1/10W 100	1	X7302	VSX0953	CRYSTAL OSCILLATOR	1	1
R30236	ERJ6GEYG121	M. RESISTOR CH 1/10W 120	1	X7902	EF0EC4004A4	CRYSTAL OSCILLATOR	1	il .
R30237		M. RESISTOR CH 1/16W 4.7K	Ť	X30001	V\$X1030	CRYSTAL OSCILLATOR	1	
R30238		M. RESISTOR CH 1/16W 100	1	X30002	VSX0574	CRYSTAL OSCILLATOR	1	+
			 '				-	
		M. RESISTOR CH 1/16W 1K	2	X30003	A2X083D	CRYSTAL OSCILLATOR	_!	
R30241, 42	VLF1315A102	FILTER	2	X30004	VSXOB66	CRYSTAL OSCILLATOR	_1	
R30243	ERJ6GEYG183	MURESISTOR OH 1/10W 18K	1	X30005	VSX0942	CRYSTAL OSCILLATOR		
R30244		MCKESTSTON ON 17 100 TON				OKTOTAL GOOTLENTOK	- 1	
1100277	ERJ3GEYJ103	M. RESISTOR III 1/16W 10K	1			OKTSTAL OSCILLATOR	_1	
		M. RESISTOR III 1/16W 10K	<u>.</u>	ZA3001-	1.			
R30245	ERJ3GEY0R00	M. RESISTOR III 1/16W 10K M. RESISTOR CH 1/16W 0	1		C9+6/TX 60	SCREW	3	3
R30245 R30246	ERJ3GEY0R00 ERJ8GEYF472	M. RESISTOR III 1/16W 10K M. RESISTOR CH 1/16W 0 M. RESISTOR III 1/10W 4.7K	<u>.</u>	2A3004	03 XTV3+6J VSC4689	SCREW SHIELD CASE (B)		3
R30245 R30246 R30247	ERJ3GEY0R00 ERJ6GEYF472 VLF1315A102	M. RESISTOR III 1/16W 10K M. RESISTOR CH 1/16W 0 M. RESISTOR III 1/10W 4. 7K FILTER	1	2A3004 ZA3005	03 XTV3+6J VSC4689 VSC4690	SCREW SHIELD CASE (B) SHIELD CASE (T)	3	3
R30245 R30246 R30247 R30248, 48	ERJ3GEY0R00 ERJ6GEYF472 VLF1315A102 VLP0147	M. RESISTOR 1/16W 10K M. RESISTOR CH 1/16W 0 M. RESISTOR 11/10W 4.7K FILTER COIL	1 1 2	2A3004 ZA3005 ZA3901	03 XTV3+6J VSC4689 VSC4690 VEJ1819	SCREW SHIELD CASE (B) SHIELD CASE (T) IN/OUT JACK	3 1 1	
R30245 R30246 R30247 R30248, 48 R30250	ERJ3GEY0R00 ERJ6GEYF472 VLF1315A102 VLP0147 ERJ3GEY6471	M. RESISTOR 1/16W 10K M. RESISTOR CH 1/16W 0 M. RESISTOR CH 1/10W 4.7K FILTER COIL M. RESISTOR III 1/10W 470	1 1 2	2A3004 2A3005 2A3901 ZA3902	03 XTV3+6J VSC4589 VSC4890 VEJ1819 05 XTV3+8GFZ	SCREW SHIELD CASE (B) SHIELD CASE (T) IN/OUT JACK SCREW	3 1 1 1	
R30245 R30246 R30247 R30248, 48	ERJ3GEY0R00 ERJ6GEYF472 VLF1315A102 VLP0147 ERJ3GEY6471	M. RESISTOR 1/16W 10K M. RESISTOR CH 1/16W 0 M. RESISTOR 11/10W 4.7K FILTER COIL	1 1 2	2A3004 2A3005 2A3901 ZA3902	03 XTV3+6J VSC4689 VSC4690 VEJ1819	SCREW SHIELD CASE (B) SHIELD CASE (T) IN/OUT JACK	3 1 1	
R30245 R30246 R30247 R30248, 48 R30250	ERJ3GEY0R00 ERJ6GEYF472 VLF1315A102 VLP0147 ERJ3GEY6471 ERJ9GEY6332	M. RESISTOR 1/16W 10K M. RESISTOR CH 1/16W 0 M. RESISTOR CH 1/10W 4.7K FILTER COIL M. RESISTOR III 1/10W 470	1 1 2 1 1	2A3004 2A3005 2A3901 ZA3902	03 XTV3+8J V5C4689 V5C4890 VEJ1819 04 XTV3+8GFZ -4 XTV3+6J	SCREW SHIELD CASE (B) SHIELD CASE (T) IN/OUT JACK SCREW	3 1 1 1	
R30245 R30246 R30247 R30248, 48 R30250 R30251	ERJ3GEY0R00 ERJ6GEYF472 VLF1315A102 VLP0147 ERJ3GEY6471 ERJ6GEY6332 ERJ3GEY6102	M. RESISTOR 1/16W 10K M. RESISTOR CH 1/16W 0 M. RESISTOR CH 1/10W 4.7K FILTER COIL M. RESISTOR CH 1/10W 470 M. RESISTOR CH 1/10W 3.3K	1 1 2 1 1	2A3004 ZA3005 ZA3901 ZA3902 ZA39000	03 XTV3+8J VSC4889 VSC4890 VEJ1819 03 XTV3+8GFZ -C XTV3+8J VSC4689	SCREW SHIELD CASE (B) SHIELD CASE (T) IN/OUT JACK SCREW	3 1 1 4 3	
R30245 R30246 R30247 R30248, 48 R30250 R30251 R30252 R30253	ERJ3GEY0R00 ERJ6GEYF472 VLF1315A102 VLP0147 ERJ3GEY6471 ERJ6GEY0332 ERJ3GEY6102 ERJ5GEYJ112	M. RESISTOR /16W 10K M. RESISTOR CH 1/16W 0 M. RESISTOR	1 1 1 1 1	2A3004 ZA3005 ZA3901 ZA3902 ZA3000 ZA3000	03 XTV3+8J VSC4889 VSC4890 VEJ1819 03 XTV3+8GFZ -C XTV3+6J VSC4689	SCREW SHIELD CASE (B) SHIELD CASE (T) IN/OUT JACK SCREW SCREW SHIELD CASE (B)	3 1 1 4 3	
R30245 R30246 R30247 R30248, 48 R30250 R30251 R30252	ERJ3GEY0R00 ERJ6GEYF472 VLF1315A102 VLP0147 ERJ3GEY6471 ERJ6GEY0332 ERJ3GEY6102 ERJ5GEYJ112	M. RESISTOR 1/16W 10K M. RESISTOR CH 1/16W 0 M. RESISTOR CH 1/10W 4.7K FILTER COIL M. RESISTOR CH 1/16W 470 M. RESISTOR CH 1/16W 1K 1K 1K 1K 1K 1K 1K 1	1 1 1 1 1	2A3004 ZA3005 ZA3901 ZA3902 ZA3000 ZA3000	03 XTV3+6J VSC4889 VSC4890 VEJ1819 03 XTV3+80FZ -C XTV3+6J VSC4689 VSC4689	SCREW SHIELD CASE (B) SHIELD CASE (T) IN/OUT JACK SCREW SCREW SHIELD CASE (B) SHIELD CASE (T)	3 1 1 1 1	
R30245 R30246 R30247 R30248, 44 R30250 R30251 R30252 R30253 R30254	ERJ3GEYOROO ERJ6GEYF472 VLF1315A102 VLP0147 ERJ3GEY6471 ERJ6GEY6332 ERJ6GEY0112 ERJ6GEYU112 ERJ6GEYB102	M. RESISTOR /16W 10K M. RESISTOR CH 1/10W 4. 7K FILTER COIL M. RESISTOR CH 1/10W 4.70 M. RESISTOR CH 1/10W 4.70 M. RESISTOR CH 1/10W 3. 3K M. RESISTOR CH 1/10W 1. 1K M. RESISTOR CH 1/10W	1 1 1 1 1	2A3004 2A3005 2A3901 2A3902 2A3000 2A3000 2A30001 2B0601	03 XTV3+6J VSC4889 VSC4890 VEJ1819 03 XTV3+8GFZ -C XTV3+6J VSC4689 VSC4680	SCREW SHIELD CASE (B) SHIELD CASE (T) IN/OUT JACK SCREW SCREW SHIELD CASE (B) SHIELD CASE (B) SHIELD CASE (T) REAR JACK BOARD	3 1 1 1 1 1	
R30245 R30246 R30247 R30248, 48 R30250 R30251 R30252 R30253	ERJ3GEY0R00 ERJ6GEYF472 VLF1315A102 VLP0147 ERJ3GEY6471 ERJ6GEY0332 ERJ3GEY6102 ERJ5GEYJ112	M. RESISTOR /16W 10K M. RESISTOR CH 1/16W 0 M. RESISTOR	1 1 1 1 1	ZA3004 ZA3005 ZA3901 ZA3902 ZA3000 ZA3000 ZA30001 ZA30001 ZA30001	03 XTV3+6J VSC4889 VSC4890 VEJ1819 03 XTV3+8GFZ -C XTV3+6J VSC4689 VSC4689 VSC4690	SCREW SHIELD CASE (B) SHIELD CASE (T) IN/OUT JACK SCREW SCREW SCREW SHIELD CASE (B) SHIELD CASE (T) REAR JACK BOARD MINI CLAMPER	3 1 1 4 3 1 1	
R30245 R30248 R30247 R30248, 48 R30250 R30251 R30252 R30253 R30254	ERJ36EY0R00 ERJ06EYF472 VLF1315A102 VLP0147 ERJ36EY6471 ERJ96EY632 ERJ36EY6102 ERJ56EYJ112 ERJ56EYJ102 VSS0513	M. RESISTOR /16W 10K M. RESISTOR CH 1/16W 0 M. RESISTOR	1 1 1 1 1 1 1 1	ZA3004 ZA3005 ZA3901 ZA3902 ZA3000 ZA3000 ZA3000 ZA3000 ZA3000 ZB0601 ZB2501 ZB4001	03 XTV3+6J VSC4889 VSC4890 VEJ1819 05 XTV3+8GFZ - XTV3+6J VSC4689 VSC4680 VJH1041 VJF0442 02 VMP4985	SCREW SHIELD CASE (B) SHIELD CASE (T) IN/OUT JACK SCREW SCREW SCREW SHIELD CASE (B) SHIELD CASE (T) REAR JACK BOARD MINI CLAMPER GARD CORNER HOLDER	3 1 1 4 3 1 1 1	
R30245 R30246 R30247 R30248, 44 R30250 R30251 R30252 R30253 R30254	ERJ3GEYOROO ERJ6GEYF472 VLF1315A102 VLP0147 ERJ3GEY6471 ERJ6GEY6332 ERJ6GEY0112 ERJ6GEYU112 ERJ6GEYB102	M. RESISTOR /16W 10K M. RESISTOR CH 1/10W 4. 7K FILTER COIL M. RESISTOR CH 1/10W 4.70 M. RESISTOR CH 1/10W 4.70 M. RESISTOR CH 1/10W 3. 3K M. RESISTOR CH 1/10W 1. 1K M. RESISTOR CH 1/10W	1 1 1 1 1	ZA3004 ZA3005 ZA3901 ZA3902 ZA3000 ZA3000 ZA3000 ZA3000 ZA3000 ZB0601 ZB2501 ZB4001	03 XTV3+6J VSC4889 VSC4890 VEJ1819 03 XTV3+8GFZ -C XTV3+6J VSC4689 VSC4689 VSC4690	SCREW SHIELD CASE (B) SHIELD CASE (T) IN/OUT JACK SCREW SCREW SCREW SHIELD CASE (B) SHIELD CASE (T) REAR JACK BOARD MINI CLAMPER	3 1 1 4 3 1 1	
R30245 R30248 R30247 R30248, 48 R30250 R30251 R30252 R30253 R30254	ERJ36EY0R00 ERJ06EYF472 VLF1315A102 VLP0147 ERJ36EY6471 ERJ96EY632 ERJ36EY6102 ERJ56EYJ112 ERJ56EYJ102 VSS0513	M. RESISTOR /16W 10K M. RESISTOR CH 1/16W 0 M. RESISTOR	1 1 1 1 1 1 1 1	ZA3004 ZA3005 ZA3901 ZA3902 ZA3000 ZA3000 ZA3000 ZA3000 ZA3000 ZB0601 ZB2501 ZB4001	03 XTV3+6J VSC4889 VSC4890 VEJ1819 05 XTV3+8GFZ - XTV3+6J VSC4689 VSC4680 VJH1041 VJF0442 02 VMP4985	SCREW SHIELD CASE (B) SHIELD CASE (T) IN/OUT JACK SCREW SCREW SCREW SHIELD CASE (B) SHIELD CASE (T) REAR JACK BOARD MINI CLAMPER GARD CORNER HOLDER	3 1 1 4 3 1 1 1	
R30245 R30246 R30247 R30248, 48 R30250 R30251 R30252 R30253 R30254	ERJ36EY0R00 ERJ66EYF472 VLF1315A102 VLP0147 ERJ36EY6471 ERJ66EYG332 ERJ36EYG102 ERJ56EYJ112 ERJ56EYJ112 ERJ56EYJ112 ERJ56EYJ112	M. RESISTOR /16W 10K M. RESISTOR CM 1/16W 0 M. RESISTOR CM 1/10W 4.7K FILTER COIL M. RESISTOR CM 1/10W 3.3K M. RESISTOR CM 1/10W 3.3K M. RESISTOR CM 1/16W 1/16W M. RESISTOR CM 1/10W 1.1K M. RESISTOR CM 1/10W 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ZA3004 ZA3005 ZA3901 ZA3902 ZA3000 ZA3000 ZA3000 ZA3000 ZA3000 ZB0601 ZB2501 ZB4001	03 XTV3+6J VSC4889 VSC4890 VEJ1819 05 XTV3+8GFZ - XTV3+6J VSC4689 VSC4680 VJH1041 VJF0442 02 VMP4985	SCREW SHIELD CASE (B) SHIELD CASE (T) IN/OUT JACK SCREW SCREW SCREW SHIELD CASE (B) SHIELD CASE (T) REAR JACK BOARD MINI CLAMPER GARD CORNER HOLDER	3 1 1 4 3 1 1 1		
R30245 R30248 R30247 R30248, 48 R30250 R30251 R30252 R30253 R30254 S3901	ERJ36EY0R00 ERJ06EYF472 VLF1315A102 VLP0147 ERJ36EY6471 ERJ36EY6102 ERJ36EYJ112 ERJ56EYJ112 ERJ56EYJ112 VSS0513 E0V5EC071A E0V5EC072A	M. RESISTOR 10K	1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ZA3004 ZA3005 ZA3901 ZA3902 ZA3000 ZA3000 ZA3000 ZA3000 ZA3000 ZB0601 ZB2501 ZB4001	03 XTV3+6J VSC4889 VSC4890 VEJ1819 05 XTV3+8GFZ - XTV3+6J VSC4689 VSC4680 VJH1041 VJF0442 02 VMP4985	SCREW SHIELD CASE (B) SHIELD CASE (T) IN/OUT JACK SCREW SCREW SHIELD CASE (B) SHIELD CASE (B) SHIELD CASE (T) REAR JACK BOARD MINI CLAMPER CARD CORNER HOLDER CARD CORNER HOLDER	3 1 1 4 3 1 1 1	
R30245 R30248 R30247 R30248, 48 R30250 R30251 R30252 R30253 R30254 S3801	ERJ36EY0R00 ERJ66EYF472 VLF1315A102 VLF0147 ERJ36EY6471 ERJ36EY6332 ERJ36EY6102 ERJ66EYJ112 ERJ56EYJ102 VSS0513 E0V5E0071A E0V5E0072A E0S5E0032A	M. RESISTOR 10K	1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ZA3004 ZA3005 ZA3901 ZA3902 ZA3000 ZA3000 ZA3000 ZA3000 ZA3000 ZB0601 ZB2501 ZB4001	03 XTV3+6J VSC4889 VSC4890 VEJ1819 05 XTV3+86FZ -0 XTV3+6J VSC4689 VSC4689 VSC4680 VJH1041 VJH0442 VJH0442 02 VMP4985	SCREW SHIELD CASE (B) SHIELD CASE (T) IN/OUT JACK SCREW SCREW SCREW SHIELD CASE (B) SHIELD CASE (B) SHIELD CASE (T) REAR JACK BOARD MINI CLAMPER CARD CORNER HOLDER CARD CORNER HOLDER MISCELLANEOUS	3 1 1 4 3 1 1 1 1 2 2	
R30245 R30248 R30247 R30248, 48 R30250 R30251 R30252 R30253 R30254 S3801 T0703 T0704 T0711	ERJ36EY0R00 ERJ06EYF472 VLF1315A102 VLP0147 ERJ36EY8471 ERJ36EY90332 ERJ36EY9102 VSS0513 E0V5E0071A E0V5E0072A E0S5E0032A VJR0098	M. RESISTOR 10K	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ZA3004 ZA3005 ZA3901 ZA3902 ZA3000 ZA3000 ZA3000 ZA3000 ZA3000 ZB0601 ZB2501 ZB4001	03 XTV3+6J VSC4889 VSC4890 VEJ1819 03 XTV3+80FZ - 04 XTV3+6J VSC4689 VSC4689 VJH1041 VJF0442 02 VMP4985 VEE0C98	SCREW SHIELD CASE (B) SHIELD CASE (T) IN/OUT JACK SCREW SCREW SCREW SHIELD CASE (B) SHIELD CASE (T) REAR JACK BOARD MINI CLAMPER CARD CORNER HOLDER CARD CORNER HOLDER MISCELLANEOUS CABLE	3 1 1 4 3 1 1 1 1 2 2	
R30245 R30246 R30247 R30248, 48 R30250 R30251 R30252 R30253 R30254 S3801 T0703 T0704 T0711 TP2201 TP3002	ERJ36EY0R00 ERJ66EYF472 YLF1315A102 YLP0147 ERJ36EY6471 ERJ66EY0332 ERJ36EY6102 ERJ36EY0102 VSS0513 E0V5E0071A E0V5E0072A EGS5E0032A VJR0098 VJR0098	M. RESISTOR 10K	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ZA3004 ZA3005 ZA3901 ZA3902 ZA3000 ZA3000 ZA3000 ZA3000 ZA3000 ZB0601 ZB2501 ZB4001	03 XTV3+6J VSC4889 VSC4890 VEJ1819 05 XTV3+8GFZ -C XTV3+6J VSC4689 VSC4689 VJH1041 VJF0442 02 VMP4985 02 VMP4985	SCREW SHIELD CASE (B) SHIELD CASE (T) IN/OUT JACK SCREW SCREW SCREW SHIELD CASE (B) SHIELD CASE (T) REAR JACK BOARD MINI CLAMPER CARD CORNER HOLDER CARD CORNER HOLDER WISCELLANEOUS CABLE SHIELD CASE (LOWER)	3 1 1 4 3 1 1 1 1 2 2	
R30245 R30248 R30247 R30248, 48 R30250 R30251 R30252 R30253 R30254 S3801 T0703 T0704 T0711 TP2201 TP3002 TP3021	ERJ36EY0R00 ERJ6GEYF472 VLF1315A102 VLP0147 ERJ36EY6471 ERJ6GEY6102 ERJ36EY6102 ERJ36EY6102 VSS0513 E0V5E0071A E0V5E0072A EQS5E0032A VJR0098 VJR0098	M. RESISTOR 10K	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ZA3004 ZA3005 ZA3901 ZA3902 ZA3000 ZA3000 ZA3000 ZA3000 ZA3000 ZB0601 ZB2501 ZB4001	03 XTV3+6J VSC4889 VSC4890 VEJ1819 05 XTV3+8GFZ -C XTV3+6J VSC4689 VSC4680 VJH1041 VJF0442 02 VMP4985 02 VMP4985 VEC0598 VSC4753 VSC4752	SCREM SHIELD CASE (B) SHIELD CASE (T) IN/OUT JACK SCREW SCREW SCREW SHIELD CASE (B) SHIELD CASE (T) REAR JACK BOARD MINI CLAMPER CARD CORNER HOLDER CARD CORNER HOLDER WISCELLANEOUS CABLE SHIELD CASE (LOWER) SHIELD CASE (MIDDLE)	3 3 1 4 3 1 1 1 1 2 2	P1102-P1001
R30245 R30246 R30247 R30248, 48 R30250 R30251 R30252 R30253 R30254 S3801 T0703 T0704 T0711 TP2201 TP3002	ERJ36EY0R00 ERJ6GEYF472 VLF1315A102 VLP0147 ERJ36EY6471 ERJ6GEY6102 ERJ36EY6102 ERJ36EY6102 VSS0513 E0V5E0071A E0V5E0072A EQS5E0032A VJR0098 VJR0098	M. RESISTOR 10K	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ZA3004 ZA3005 ZA3901 ZA3902 ZA3000 ZA3000 ZA3000 ZA3000 ZA3000 ZB0601 ZB2501 ZB4001	03 XTV3+6J VSC4889 VSC4890 VEJ1819 05 XTV3+8GFZ -C XTV3+6J VSC4689 VSC4689 VJH1041 VJF0442 02 VMP4985 02 VMP4985	SCREW SHIELD CASE (B) SHIELD CASE (T) IN/OUT JACK SCREW SCREW SCREW SHIELD CASE (B) SHIELD CASE (T) REAR JACK BOARD MINI CLAMPER CARD CORNER HOLDER CARD CORNER HOLDER WISCELLANEOUS CABLE SHIELD CASE (LOWER)	3 3 1 4 3 1 1 1 1 2 2	
R30245 R30248 R30247 R30248, 48 R30250 R30251 R30252 R30253 R30254 S3801 T0703 T0704 T0711 TP2201 TP3002 TP3021	ERJ36EY0R00 ERJ06EYF472 VLF1315A102 VLP0147 ERJ36EY6471 ERJ06EY632 ERJ36EY6102 ERJ56EY0102 ERJ56EY0112 ERJ56EY0112 ERJ56EY0112 ERJ56EY0112 ERJ56EY0112 ERJ56EY012 VSS0513 E0V5EC071A E0V5EC072A EQS5EC032A VJR0098 VJR0098 VJR0098	M. RESISTOR 10K	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ZA3004 ZA3005 ZA3901 ZA3902 ZA3000 ZA3000 ZA3000 ZA3000 ZA3000 ZB0601 ZB2501 ZB4001	03 XTV3+6J VSC4889 VSC4890 VEJ1819 05 XTV3+8GFZ -C XTV3+6J VSC4689 VSC4680 VJH1041 VJF0442 02 VMP4985 02 VMP4985 VEC0598 VSC4753 VSC4752	SCREM SHIELD CASE (B) SHIELD CASE (T) IN/OUT JACK SCREW SCREW SCREW SHIELD CASE (B) SHIELD CASE (T) REAR JACK BOARD MINI CLAMPER CARD CORNER HOLDER CARD CORNER HOLDER WISCELLANEOUS CABLE SHIELD CASE (LOWER) SHIELD CASE (MIDDLE)	3 1 1 4 3 1 1 1 1 1 1 1 1 1 1	P1102-P1001
R30245 R30248 R30247 R30248, 48 R30250 R30251 R30252 R30253 R30254 T0703 T0704 T0711 TP2201 TP3002 TP3021 TP3030-32 TP3701, 02	ERJ36EY0R00 ERJ60EYF472 VLF1315A102 VLP0147 ERJ36EY6471 ERJ60EY6432 ERJ36EY6102 ERJ66EYJ112 ERJ66EYJ112 ERJ66EYJ112 ERJ66EYJ12 ERJ66EYJ12 VSS0513 E0V5EC071A E0V5EC072A EQS5EC032A VJR0098 VJR0098 VJR0098	M. RESISTOR 1/16W 10K M. RESISTOR CH 1/16W 0 M. RESISTOR 11/10W 4.7K FILTER COIL M. RESISTOR 11/10W 4.7K M. RESISTOR 11/10W 3.3K M. RESISTOR 11/10W 1.1K M. RESISTOR 11/10W 1.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ZA3004 ZA3005 ZA3901 ZA3902 ZA3000 ZA3000 ZA3000 ZA3000 ZA3000 ZB0601 ZB2501 ZB4001	03 XTV3+8J VSC4889 VSC4889 VSC4889 VSC4889 VSC4689 VSC4689 VSC4689 VSC4680 VJH1041 VJF0442 02 VMP4985 VEE0C98 VSC4753 VSC4752 VWJ1195 VWJ1196	SCREW SHIELD CASE (B) SHIELD CASE (T) IN/OUT JACK SCREW SCREW SHIELD CASE (B) SHIELD CASE (B) SHIELD CASE (B) SHIELD CASE (T) REAR JACK BOARD MINI CLAMPER CARD CORNER HOLDER CARD CORNER HOLDER WISCELLANEOUS CABLE SHIELD CASE (LOWER) SHIELD CASE (MIDDLE) FLAT CARD CABLE FLAT CARD CABLE	3 1 1 1 1 1 1 1 1 1 1 1 1 1	P1102-P1001 P7502-P7901 P7501-P7902
R30245 R30248 R30247 R30248, 45 R30250 R30251 R30252 R30253 R30254 T0703 T0704 T0711 TP2201 TP3002 TP3021 TP3030-32 TP3701. 02 TP3901	ERJ3GEY0R00 ERJ6GEYF472 VLF1315A102 VLF0147 ERJ3GEY6471 ERJ3GEY6102 ERJ6GEYJ112 ERJ6GEYJ112 ERJ6GEYJ112 ERJ6GEYJ102 VSS0513 E0V5E0071A E0V5E0072A EQS5E0032A VJR0098 VJR0098 VJR0098 VJR0098	M. RESISTOR 10K	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ZA3004 ZA3005 ZA3901 ZA3902 ZA3000 ZA3000 ZA3000 ZA3000 ZA3000 ZB0601 ZB2501 ZB4001	03 XTV3+6J VSC4889 VSC4880 VEJ1819 05 XTV3+8GFZ -6 XTV3+6J VSC4689 VSC4689 VSC4689 VJH1041 VJF0442 02 VMP4985 02 VMP4985 VEE0098 VSC4753 VSC4752 VWJ1195 VWJ1196 VWJ1197	SCREW SHIELD CASE (B) SHIELD CASE (T) IN/OUT JACK SCREW SCREW SCREW SCREW SHIELD CASE (B) SHIELD CASE (B) SHIELD CASE (T) REAR JACK BOARD MINI CLAMPER CARD CORNER HOLDER CARD CORNER HOLDER SHIELD CASE (LOWER) SHIELD CASE (LOWER) SHIELD CASE (MIDDLE) FLAT CARD CABLE FLAT CARD CABLE FLAT CARD CABLE	3 1 4 3 1 1 1 1 1 1 1 1 1 1 1 1 1	P1102-P1001 P7502-P7901 P7501-P7902 PS4851-P6081
R30245 R30248 R30247 R30248, 48 R30250 R30251 R30252 R30253 R30254 T0703 T0704 T0711 TP2201 TP3002 TP3002 TP3001 TP3001 TP3001 TP30001-0	ERJ3GEY0R00 ERJ0GEYF472 VLF1315A102 VLF0147 ERJ3GEY6471 ERJ3GEY6102 ERJ3GEY6102 ERJ3GEY0102 VSS0513 E0V5E0071A E0V5E0071A E0V5E0072A EQS5E0032A VJR0098 VJR0098 VJR0098 VJR0098 VJR0098	M. RESISTOR 10K	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ZA3004 ZA3005 ZA3901 ZA3902 ZA3000 ZA3000 ZA3000 ZA3000 ZA3000 ZB0601 ZB2501 ZB4001	03 XTV3+8J VSC4889 VSC4889 VSC4889 VSC4889 VSC4689 VSC4689 VSC4689 VSC4680 VJH1041 VJF0442 02 VMP4985 VEE0C98 VSC4753 VSC4752 VWJ1195 VWJ1196	SCREW SHIELD CASE (B) SHIELD CASE (T) IN/OUT JACK SCREW SCREW SHIELD CASE (B) SHIELD CASE (B) SHIELD CASE (B) SHIELD CASE (T) REAR JACK BOARD MINI CLAMPER CARD CORNER HOLDER CARD CORNER HOLDER WISCELLANEOUS CABLE SHIELD CASE (LOWER) SHIELD CASE (MIDDLE) FLAT CARD CABLE FLAT CARD CABLE	3 1 4 3 1 1 1 1 1 1 1 1 1 1 1 1 1	P1102-P1001 P7502-P7901 P7501-P7902
R30245 R30248 R30247 R30248, 45 R30250 R30251 R30252 R30253 R30254 T0703 T0704 T0711 TP2201 TP3002 TP3021 TP3030-32 TP3701. 02 TP3901	ERJ3GEY0R00 ERJ0GEYF472 VLF1315A102 VLF0147 ERJ3GEY6471 ERJ3GEY6102 ERJ3GEY6102 ERJ3GEY0102 VSS0513 E0V5E0071A E0V5E0071A E0V5E0072A EQS5E0032A VJR0098 VJR0098 VJR0098 VJR0098 VJR0098	M. RESISTOR 10K	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ZA3004 ZA3005 ZA3901 ZA3902 ZA3000 ZA3000 ZA3000 ZA3000 ZA3000 ZB0601 ZB2501 ZB4001	03 XTV3+6J VSC4889 VSC4880 VEJ1819 05 XTV3+8GFZ -6 XTV3+6J VSC4689 VSC4689 VSC4689 VJH1041 VJF0442 02 VMP4985 02 VMP4985 VEE0098 VSC4753 VSC4752 VWJ1195 VWJ1196 VWJ1197	SCREW SHIELD CASE (B) SHIELD CASE (T) IN/OUT JACK SCREW SCREW SCREW SCREW SHIELD CASE (B) SHIELD CASE (B) SHIELD CASE (T) REAR JACK BOARD MINI CLAMPER CARD CORNER HOLDER CARD CORNER HOLDER SHIELD CASE (LOWER) SHIELD CASE (LOWER) SHIELD CASE (MIDDLE) FLAT CARD CABLE FLAT CARD CABLE FLAT CARD CABLE	3 1 4 3 1 1 1 1 1 1 1 1 1 1 1 1 1	P1102-P1001 P7502-P7901 P7501-P7902 PS4851-P6081
R30245 R30248 R30247 R30248, 48 R30250 R30251 R30252 R30253 R30254 S3801 T0703 T0704 T0711 TP2201 TP3002 TP3021 TP3030-32 TP3701. 02 TP3901 TP30007-1	ERJ36EY0R00 ERJ66EYF472 VLF1315A102 VLP0147 ERJ36EY6471 ERJ36EY6102 ERJ66EY0332 ERJ56EY0102 VSS0513 E0V5E0071A E0V5E0071A E0V5E0072A E0S5E0032A VJR0098 VJR0098 VJR0098 VJR0098 VJR0098 VJR0098 VJR0098 VJR0098 VJR0098 VJR0098	M. RESISTOR 10K 10K M. RESISTOR CH	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ZA3004 ZA3005 ZA3901 ZA3902 ZA3000 ZA3000 ZA3000 ZA3000 ZA3000 ZB0601 ZB2501 ZB4001	03 XTV3+6J VSC4889 VSC4880 VEJ1819 05 XTV3+8GFZ -6 XTV3+6J VSC4689 VSC4689 VSC4689 VJH1041 VJF0442 02 VMP4985 02 VMP4985 VEE0098 VSC4753 VSC4752 VWJ1195 VWJ1196 VWJ1197	SCREW SHIELD CASE (B) SHIELD CASE (T) IN/OUT JACK SCREW SCREW SCREW SCREW SHIELD CASE (B) SHIELD CASE (B) SHIELD CASE (T) REAR JACK BOARD MINI CLAMPER CARD CORNER HOLDER CARD CORNER HOLDER SHIELD CASE (LOWER) SHIELD CASE (LOWER) SHIELD CASE (MIDDLE) FLAT CARD CABLE FLAT CARD CABLE FLAT CARD CABLE	3 1 4 3 1 1 1 1 1 1 1 1 1 1 1 1 1	P1102-P1001 P7502-P7901 P7501-P7902 PS4851-P6081
R30245 R30248 R30247 R30248, 48 R30250 R30251 R30252 R30253 R30254 T0703 T0704 T0711 TP2201 TP3002 TP3002 TP3001 TP3001 TP3001 TP30001-0	ERJ3GEY0R00 ERJ0GEYF472 VLF1315A102 VLF0147 ERJ3GEY6471 ERJ3GEY6102 ERJ3GEY6102 ERJ3GEY0102 VSS0513 E0V5E0071A E0V5E0071A E0V5E0072A EQS5E0032A VJR0098 VJR0098 VJR0098 VJR0098 VJR0098	M. RESISTOR 10K	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ZA3004 ZA3005 ZA3901 ZA3902 ZA3000 ZA3000 ZA3000 ZA3000 ZA3000 ZB0601 ZB2501 ZB4001	03 XTV3+6J VSC4889 VSC4880 VEJ1819 05 XTV3+8GFZ -6 XTV3+6J VSC4689 VSC4689 VSC4689 VJH1041 VJF0442 02 VMP4985 02 VMP4985 VEE0098 VSC4753 VSC4752 VWJ1195 VWJ1196 VWJ1197	SCREW SHIELD CASE (B) SHIELD CASE (T) IN/OUT JACK SCREW SCREW SCREW SCREW SHIELD CASE (B) SHIELD CASE (B) SHIELD CASE (T) REAR JACK BOARD MINI CLAMPER CARD CORNER HOLDER CARD CORNER HOLDER SHIELD CASE (LOWER) SHIELD CASE (LOWER) SHIELD CASE (MIDDLE) FLAT CARD CABLE FLAT CARD CABLE FLAT CARD CABLE	3 1 4 3 1 1 1 1 1 1 1 1 1 1 1 1 1	P1102-P1001 P7502-P7901 P7501-P7902 PS4851-P6081
R30245 R30248 R30247 R30248, 48 R30250 R30251 R30252 R30253 R30254 S3801 T0703 T0704 T0711 TP2201 TP3002 TP3021 TP3030-32 TP3701. 02 TP3901 TP30007-1	ERJ36EY0R00 ERJ66EYF472 VLF1315A102 VLP0147 ERJ36EY6471 ERJ36EY6102 ERJ66EY0332 ERJ56EY0102 VSS0513 E0V5E0071A E0V5E0071A E0V5E0072A E0S5E0032A VJR0098 VJR0098 VJR0098 VJR0098 VJR0098 VJR0098 VJR0098 VJR0098 VJR0098 VJR0098	M. RESISTOR 10K 10K M. RESISTOR CH	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ZA3004 ZA3005 ZA3901 ZA3902 ZA3000 ZA3000 ZA3000 ZA3000 ZA3000 ZB0601 ZB2501 ZB4001	03 XTV3+6J VSC4889 VSC4880 VEJ1819 05 XTV3+8GFZ -6 XTV3+6J VSC4689 VSC4689 VSC4689 VJH1041 VJF0442 02 VMP4985 02 VMP4985 VEE0098 VSC4753 VSC4752 VWJ1195 VWJ1196 VWJ1197	SCREW SHIELD CASE (B) SHIELD CASE (T) IN/OUT JACK SCREW SCREW SCREW SCREW SHIELD CASE (B) SHIELD CASE (B) SHIELD CASE (T) REAR JACK BOARD MINI CLAMPER CARD CORNER HOLDER CARD CORNER HOLDER SHIELD CASE (LOWER) SHIELD CASE (LOWER) SHIELD CASE (MIDDLE) FLAT CARD CABLE FLAT CARD CABLE FLAT CARD CABLE	3 1 4 3 1 1 1 1 1 1 1 1 1 1 1 1 1	P1102-P1001 P7502-P7901 P7501-P7902 PS4851-P6081
R30245 R30248 R30247 R30248, 48 R30250 R30251 R30252 R30253 R30254 S3801 T0703 T0704 T0711 TP2201 TP3002 TP3021 TP3030-32 TP3701. 02 TP3901 TP30007-1	ERJ36EY0R00 ERJ66EYF472 VLF1315A102 VLP0147 ERJ36EY6471 ERJ36EY6102 ERJ66EY0332 ERJ56EY0102 VSS0513 E0V5E0071A E0V5E0071A E0V5E0072A E0S5E0032A VJR0098 VJR0098 VJR0098 VJR0098 VJR0098 VJR0098 VJR0098 VJR0098 VJR0098 VJR0098	M. RESISTOR 1/16W 10K M. RESISTOR CH 1/16W 0 M. RESISTOR CH 1/10W 4.7K FILTER COIL M. RESISTOR M. RESISTOR COIL M. RESISTOR M. RES	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ZA3004 ZA3005 ZA3901 ZA3902 ZA3000 ZA3000 ZA3000 ZA3000 ZA3000 ZB0601 ZB2501 ZB4001	03 XTV3+6J VSC4889 VSC4880 VEJ1819 05 XTV3+8GFZ -6 XTV3+6J VSC4689 VSC4689 VSC4689 VJH1041 VJF0442 02 VMP4985 02 VMP4985 VEE0098 VSC4753 VSC4752 VWJ1195 VWJ1196 VWJ1197	SCREW SHIELD CASE (B) SHIELD CASE (T) IN/OUT JACK SCREW SCREW SCREW SCREW SHIELD CASE (B) SHIELD CASE (B) SHIELD CASE (T) REAR JACK BOARD MINI CLAMPER CARD CORNER HOLDER CARD CORNER HOLDER SHIELD CASE (LOWER) SHIELD CASE (LOWER) SHIELD CASE (MIDDLE) FLAT CARD CABLE FLAT CARD CABLE FLAT CARD CABLE	3 1 4 3 1 1 1 1 1 1 1 1 1 1 1 1 1	P1102-P1001 P7502-P7901 P7501-P7902 PS4851-P6081
R30245 R30248 R30247 R30248, 48 R30250 R30251 R30252 R30253 R30254 T0703 T0704 T0711 TP2201 TP3002 TP3021 TP30007-1 TP30007-1 TU7601	ERJ36EY0R00 ERJ66EYF472 VLF1315A102 VLP0147 ERJ36EY6471 ERJ66EY6332 ERJ36EY6102 ERJ56EY0102 VSS0513 E0V5EC071A E0V5EC072A E0S5EC032A VJR0098	M. RESISTOR III 1/16W 10K M. RESISTOR CH 1/16W 0 M. RESISTOR III 1/10W 4.7K FILTER COIL M. RESISTOR III 1/10W 470 M. RESISTOR III 1/10W 3.3K M. RESISTOR III 1/10W 1.K TRANSFORMER TRANSFORMER TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT	1 1 1 1 1 1 1 1 1 1 1 3 2 1 1 5 8 1 1 1 1	ZA3004 ZA3005 ZA3901 ZA3902 ZA3000 ZA3000 ZA3000 ZA3000 ZA3000 ZB0601 ZB2501 ZB4001	03 XTV3+6J VSC4889 VSC4880 VEJ1819 05 XTV3+8GFZ -6 XTV3+6J VSC4689 VSC4689 VSC4689 VJH1041 VJF0442 02 VMP4985 02 VMP4985 VEE0098 VSC4753 VSC4752 VWJ1195 VWJ1196 VWJ1197	SCREW SHIELD CASE (B) SHIELD CASE (T) IN/OUT JACK SCREW SCREW SCREW SCREW SHIELD CASE (B) SHIELD CASE (B) SHIELD CASE (T) REAR JACK BOARD MINI CLAMPER CARD CORNER HOLDER CARD CORNER HOLDER SHIELD CASE (LOWER) SHIELD CASE (LOWER) SHIELD CASE (MIDDLE) FLAT CARD CABLE FLAT CARD CABLE FLAT CARD CABLE	3 1 4 3 1 1 1 1 1 1 1 1 1 1 1 1 1	P1102-P1001 P7502-P7901 P7501-P7902 PS4851-P6081
R30245 R30248 R30247 R30248, 48 R30250 R30251 R30252 R30253 R30254 T0703 T0704 T0711 TP2201 TP3002 TP3021 TP30007-1 TP30007-1 TU7601	ERJ36EY0R00 ERJ66EYF472 VLF1315A102 VLP0147 ERJ36EY6471 ERJ66EY6332 ERJ36EY6102 ERJ56EY0102 VSS0513 E0V5EC071A E0V5EC072A E0S5EC032A VJR0098	M. RESISTOR 1/16W 10K M. RESISTOR CH 1/16W 0 M. RESISTOR CH 1/10W 4.7K FILTER COIL M. RESISTOR M. RESISTOR COIL M. RESISTOR M. RES	1 1 1 1 1 1 1 1 1 1 1 3 2 1 1 5 8 8 1 1	ZA3004 ZA3005 ZA3901 ZA3902 ZA3000 ZA3000 ZA3000 ZA3000 ZA3000 ZB0601 ZB2501 ZB4001	03 XTV3+6J VSC4889 VSC4880 VEJ1819 05 XTV3+8GFZ -6 XTV3+6J VSC4689 VSC4689 VSC4689 VJH1041 VJF0442 02 VMP4985 02 VMP4985 VEE0098 VSC4753 VSC4752 VWJ1195 VWJ1196 VWJ1197	SCREW SHIELD CASE (B) SHIELD CASE (T) IN/OUT JACK SCREW SCREW SCREW SCREW SHIELD CASE (B) SHIELD CASE (B) SHIELD CASE (T) REAR JACK BOARD MINI CLAMPER CARD CORNER HOLDER CARD CORNER HOLDER SHIELD CASE (LOWER) SHIELD CASE (LOWER) SHIELD CASE (MIDDLE) FLAT CARD CABLE FLAT CARD CABLE FLAT CARD CABLE	3 1 4 3 1 1 1 1 1 1 1 1 1 1 1 1 1	P1102-P1001 P7502-P7901 P7501-P7902 PS4851-P6081
R30245 R30248 R30247 R30248, 48 R30250 R30251 R30252 R30253 R30254 T0703 T0704 T0711 TP2201 TP3002 TP3021 TP30007-1 TP30007-1 TU7601	ERJ36EY0R00 ERJ66EYF472 VLF1315A102 VLP0147 ERJ36EY6471 ERJ66EY6332 ERJ36EY6102 ERJ56EY0102 VSS0513 E0V5EC071A E0V5EC072A E0S5EC032A VJR0098	M. RESISTOR III 1/16W 10K M. RESISTOR CH 1/16W 0 M. RESISTOR III 1/10W 4.7K FILTER COIL M. RESISTOR III 1/10W 470 M. RESISTOR III 1/10W 3.3K M. RESISTOR III 1/10W 1.K TRANSFORMER TRANSFORMER TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT	1 1 1 1 1 1 1 1 1 1 1 3 2 1 1 5 8 1 1 1 1	ZA3004 ZA3005 ZA3901 ZA3902 ZA3000 ZA3000 ZA3000 ZA3000 ZA3000 ZB0601 ZB2501 ZB4001	03 XTV3+6J VSC4889 VSC4880 VEJ1819 05 XTV3+8GFZ -6 XTV3+6J VSC4689 VSC4689 VSC4689 VJH1041 VJF0442 02 VMP4985 02 VMP4985 VEE0098 VSC4753 VSC4752 VWJ1195 VWJ1196 VWJ1197	SCREW SHIELD CASE (B) SHIELD CASE (T) IN/OUT JACK SCREW SCREW SCREW SCREW SHIELD CASE (B) SHIELD CASE (B) SHIELD CASE (T) REAR JACK BOARD MINI CLAMPER CARD CORNER HOLDER CARD CORNER HOLDER SHIELD CASE (LOWER) SHIELD CASE (LOWER) SHIELD CASE (MIDDLE) FLAT CARD CABLE FLAT CARD CABLE FLAT CARD CABLE	3 1 4 3 1 1 1 1 1 1 1 1 1 1 1 1 1	P1102-P1001 P7502-P7901 P7501-P7902 PS4851-P6081

Ref. No.	Part No.	Part Name & Description	Pre	Remarks	Ref. No.	Part No.	Part Name & Desci	rintio	PC	Remarks
	VEP05351A	HEAD AMP C. B. A.		(RTL)			E. CAPACITOR 50V	2. 20	-	
	VERUSSSIA	HEAD AMP C. B. A.	-	IK)L/	C2704				-	
					C2705	 	C. CAPACITOR CH 16V			
C5001-04	ECUX1H103ZFV	C. CAPACITOR CH SOV 0.01U	4		C2708	ECUX1C474KBN	C. CAPACITOR CH 16V	0. 470	1	
C5007	ECUX1H103ZFV	C. CAPACITOR CH 50V 0.01U	1		C2707	ECUX1A104KBV	C, CAPACITOR OH 10V	0.10	1	
C5010	ECUX1H103ZFV	C. CAPACITOR CH 50V 0.01U	1		02708	ECUX 1H103ZFV	C. CAPACITOR CH 50V	0.010	1	
C5013	ECUX1H152KBV	C, CAPACITOR CH SOV 1500P	1		G2709	EEVHB10100	E. CAPACITOR 16V	100	1	
C5014	ECSTOJY106Z	T. CAPACITOR CH8. 3V 10U	1	•	62710.11	EEVHB1H2R2	E. CAPACITOR 50V	2, 20	2	· · · · · · · · · · · · · · · · · · ·
C5015		C. CAPACITOR CH 50V Q. 01U	1				C. CAPACITOR CH 16V		2	
		-	1						-	
05018		C. CAPACITOR CH 50V 33P	<u> </u>		-		C. CAPACITOR III 16V	0. 10	-	
05017	ECUX1H103ZFV	C. CAPACITOR CH 50V 0.01U	1		C2718-18	ECUX1C333KBV	C. CAPACITOR CH 18V	0. 0330	3	
C5018	ECUX1H22OJCV	C. CAPACITOR CH 50V 22P	1		62719	ECUX1C104KBV	C. CAPACITOR OH 18V	0. 1U		
05019	ECUX1R103ZFV	C. CAPACITOR CH 50V 0.01U	1.		02720-22	ECUX1H472KBV	C. CAPACITOR OH 50V	4700P	3	:
05020, 21	ECST1AY108Z	T. CAPACITOR CH 10V 10U	2		02723	EEVHB1A330	E. CAPACITOR 10V	330	1	
C5022		C. CAPACITOR CH 50V 22P	1		02724		C, CAPACITOR CH 16V	0, 10	1	
C\$023, 24		C. CAPACITOR CH 50V 0.01U	2		02725	-	E. CAPACITOR 50V	2. 20	1	
			-						├.;	
C5025	ECSTOJY108Z	T. CAPACITOR CH6, 3V 10U	1		C2726		C. CAPACITOR CH 16V		ᆜ	
C5026	ECUX1H152KBV	C. CAPACITOR OH 50V 1500P	1		02727	ECUX1C474KBN	C. CAPACITOR CH 16V	0. 470	1	
C5027	ECUX1H330JCV	C. CAPACITOR OR 50V 33P	1		C2728	ECUX1A104KBV	C. CAPACITOR DR 10V	0.10	- 1	
C5028	ECUX1H122KBV	C. CAPACITOR CH 50V 1200P	1		C2729	ECUX1H103ZFV	C. CAPACITOR CH 50V	0.010	1	
C5029		C. CAPACITOR OH TOV IU	1		C2730		E. CAPACITOR 16V	100	1	
C5030	-	C. CAPACITOR CH 50V 1000P	1				E. CAPACITOR 50V	2. 20	2	
			-						-	
C5031		C. CAPACITOR CH 50V 0.01U	1				C. CAPACITOR CH 18V		2	
C5032		C. CAPACITOR CH 50V 47P	_1			-	C. CAPACITOR CH 16V	0, 10	2	
05033	ECUX1H681JCV	C. CAPACITOR CH 50V 680P	1		C2737-39	ECUX1C333KBV	C. CAPACITOR CH 16V	0. 033U	3	
C5034	ECUX I HI 03ZFV	C. CAPACITOR CH 50V C. 01U	1		02740	ECUX1C104KBV	C. CAPACITOR CH 16V	0. 1U	-1	
C5035		T, CAPACITOR CH 10V 10U	1		C2741-43		C. CAPACITOR CH 50V	4700P	3	
C5035, 37		T. CAPACITOR CH8. 3V 10U	2	·				0.010	1	
					02745		C. CAPACITOR CH 50V		_	
05038		C. CAPACITOR CH 50V 0.01U	1		C2747		C. CAPACITOR CH 16V	0. 470	1	
C5047		C. CAPACITOR CH 50V 0.01U	1		C2748	ECUX1H1032FV	C. CAPACITOR CH 50V	0. 010	1	
C5051	EGUX1H103ZFV	C. CAPACITOR I 50V 0.01U	1		02749	ECUX1H332KBV	C. CAPACITOR CH 50V	3300P	1	
					02751	ECUX1C474ZFN	C. CAPACITOR CH 16V	0.470	ı	
FP5001	VJS33198008	CONNECTOR (FEMALE)	1		G2752		C. CAPACITOR CH 50V	0.010	1	
FP5002	VJS3251	CONNECTOR (FEMALE)	1		02753		E. CAPACITOR 16V	100	-	
FF0002	1033231	CONNECTOR (FEMALE)							-	
			Ш		02754		C. CAPACITOR CH 50V	470P	1	
105001	AN3731FH0	10	- 1		C2755	EEVHB1C100	E. CAPACITOR 16V	100	_1	
					C2757	ECUX1C105ZFN	C. CAPACITOR CH 16V	10	1	
L5002, 03	VL00163K220	COIL 22UH	2		C2758, 59	ECUX1H103ZFV	C. CAPACITOR I 50V	0.010	2	
	ELJPA100KF	COIL 100H	3		C2760		E. CAPACITOR 16V	100	1	
	CCG1711CG1G	7001	Ť		C2762		C. CAPACITOR DE 50V	II. 011	1	
05000 00	2000007	7044010740	١						-	
Q5002, 03		TRANSISTOR	2		C2763		C. CAPACITOR CH 16V	10	1	
Q5005, 06	2SD1938F	TRANSISTOR	2		C2764	ECUXOJ225KBN	C. CAPACITOR CH6, 3V	2, 2U	1	
					C2766	ECUX1E223KBV	C. CAPACITOR CH 25V	0. 023U	- 1	
R5002	ERJ3GEY6471	ML RESISTOR CH 1/16W 470	1		C2767	ECUX1C473KBV	C. CAPACITOR CH 18V	0. 047U	-1	
R5003	ERJ3GEYJ103	MURESISTOR OH 1/16W 10K	1		C2768	EEVHB1E4R7	E. GAPAGITOR 25V	4 7U	1	
R5004	ERJ3GEY6152	M. RESISTOR CH 1/16W 1.5K	1		C2769-71	ECUMI CLOAZEN	C. CAPACITOR CH 18V	0. 1U	3	
R5005		ML RESISTOR CH 1/16W 1K	1				C. CAPACITOR CH 18V	0.10	9	
R5010		M. RESISTOR CH 1/16W 68	. 11				C. CAPACITOR CH 50V	1000P	3	
R5012	ERJ3GEY6152	M. RESISTOR CH 1/18W 1.5K	-1		C2781, 82	ECUX1H103KBV	C. CAPACITOR CH 50V	Q. 01U	2	
R5013	ERJ3GEYJ123	ML RESISTOR CH 1/18W 12K	_1		02783	EEVHB10100	E. CAPACITOR 16V	1 OU	1	
R5014, 15	ERJ3GEYJ271	M. RESISTOR CH 1/18W 270	2		C2784-87	ECUX1H103KBV	C. CAPACITOR OH 5QV	Q, Q1U	4	
		M. RESISTOR CH 1/18W 1K	2		C2788		E. CAPACITOR 16V	47U		
R5018		M. RESISTOR CH 1/16W 68	1		-				2	
								5800P	-	
R5019		M. RESISTOR CH 1/16W 12K	-1		02791		E. CAPACITOR 16V	47U	_	
R5020		M. RESISTOR CH 1/18W 1,5K	1		C2792		E. CAPACITOR 16V	100	1	
R5021		M. RESISTOR CH 1/16W 10	_1		C2793	ECUX1H103ZFV	C. CAPACITOR CH 50V	0.010	_1	
R5024	ERJ36EYJ103	M. RESISTOR CH 1/16W 10K	1		02794	ECUXOJ225K8N	C. CAPACITOR CH6. 3V	2. 20	1	
R5025	ERJ36EYJ271	M. RESISTOR CH 1/16W 270	1		02795	ECUX1H332KBV	C. CAPACITOR CH 50V	3300F	1	
		M. RESISTOR CH 1/16W D	1		02796		C. CAPACITOR DI 50V	5600P	1	
			-						H	
		M. RESISTOR CH 1/16W 1.5K	1		C2797	-	C. CAPACITOR CH 16V	0.10	L1	
		M. RESISTOR CH 1/16W	4		C2798		C. CAPACITOR CH 50V	5800P	1	
R5040, 41	ERJ3GEYOROO	M. RESISTOR OH 1/16W D	2		C2799, 00	ECUM1C104ZFN	C. CAPACITOR III 16V	0. 1B		
					C2801, 02	EEVHP1HR47	E. CAPACITOR 50V	470	2	
		MISCELLAMEOUS	\neg		C2803			0.010	1	
			\dashv				E. CAPACITOR 16V	100	2	
	VSC4698	SHIELD CASE (A)	1							
	.00-086	MITELD WASE (A)			02809		E. CAPACITOR 6. 3V	33U	1	
			\Box		C2810		C. CAPACITOR CH 18Y	0.18	1	
			Ш		C2811	EEAHB01330	E. CAPACITOR 6, 3V	3311	1	
			_1		C8391-08	ECUMICI 04ZFN	C. CAPACITOR CH 16V	0.19	П	
		<u> </u>	\Box		C8307		E. CAPACITOR 16V	47U	1	
							C. CAPACITOR CH 18V	0. 1U	8	
	VEP025578	MECHANISM DRIVE C. B. A.	+	(RTL)					3	
	1EF 920076	MENTENTION UNITE U.B. A.	-1	W/IE/			C. CAPACITOR CH 16V	0. 10		
					C6317		E. CAPACITOR 16V	470	1	
					C6318-27	ECUM1C1042FN	C. CAPACITOR CH 16V	0.10	10	
02701, 02	ECUX1H103ZFV	C. CAPACITOR OH SOV 0. 01U	2		C6328	EEVHB1C470	E. CAPACITOR 16V	47U	1	
C2703	ECUMICIO4ZFN	C. CAPACITOR CH 18V II. 1III	1		08501	ECUM10104ZFN	G. CAPACITOR OR 16V	Ö. 1U	1	
									\vdash	
		<u> </u>								

								-	
Ref. No.	Part No.	Part Name & Description	cs	Remarks Ref	f. No.	Part No.	art Name Description	cs,	Remarks
		C, CAPACITOR CH 50V 1000P	ĭ	1085	_		10	1	
		E. CAPACITOR 18V 47U	-1						
-			ᆲ	K976	01 02 1	RJ3GEY0R00	M. RESISTOR CH 1/16W 0	2	·
			╣	NZ IG	01, 02	(KODILLI GILGO		Ť	
		C. CAPACITOR CH 18V . 0.1U	-1	1970	01 02 3	/LQ0599J680	COIL 68UH	2	
		C. CAPACITOR CH 50V 1000P	4		01,02	- C-003890000	5012	Ť	
777.7		E. CAPACITOR 18V 47U	귀	1000	702	VLP0145	COIL	1	
		C. CAPACITOR CH 16V 0. 22U	4	LB27	702	VLF0143	COIL	-	
		E. CAPACITOR 50V 3.3U	2				CONTROL (CCMM E)	-	
06513	EEVHB1C100	II. CAPACITOR 16V 10U	_1				CONNECTOR (FEMALE)	2	
C6515	ECUMTO104ZFN	C. CAPACITOR III 16V 0.1U	-1	P270			CONNECTOR (FEMALE)	F	
C8516-18	ECUX IH103ZFV	C, CAPACITOR III 50V 0, 01U	3	. P270			CONNECTOR (FEMALE)	1	
C6519	ECUMTC104ZFN	C. CAPACITOR CH 16V 0.1U	_1	P270			CONNECTOR (MALE)	1	
C6520	EEVHB1H3R3	E. CAPACITOR 50V 8, SU					CONNECTOR (MALE)	2	
C8522	EEVHB10100	E. CAPACITOR 16V 10U	1	P630	103		CONNECTOR (MALE)	1	
C8523-26	ECUMICIO4ZFN	C. CAPACITOR III 16V 0.1U	4	P650	01		CONNECTOR (MALE)	1	
C6527	ECUX1A105KBN	C. CAPACITOR CH 10V 1U	1	P850	102	VJP4044A002	CONNECTOR (MALE)	1	
C6529	ECUX1H102KBV	C. CAPACITOR CH SOV 1000P	1	P650	03	/JP31720002	CONNECTOR (MALE)	1	
C6530	ECUMICIO4ZFN	C. CAPACITOR CH 16V 0.1U	1	P650	i04	VJS3537B026	CONNECTOR (FEMALE)	1	
C6531	ECUX1H102KBV	C. CAPACITOR CH 50V 1000P	1	P650	ا 505	VJ\$35378032	CONNECTOR (FEMALE)	1	
		G CAPACITOR CH LOV 1U	1	P650	i0a 1	VJP3125B002	CONNECTOR (MALE)	1	
		C. CAPACITOR CH 10V 1U	ij	P650			CONNECTOR (MALE)	1	
		C. CAPACITOR OH 50V 1000P	1	P650			CONNECTOR (MALE)	1	
		C. CAPACITOR CH 16V 0.1U	1	P650	_		CONNECTOR (FEMALE)	1	
			1	P651	-		CONNECTOR (MALE)	1	
				P651			CONNECTOR (MALE)	<u> </u>	
		C, CAPACITOR CH 10V 1U	1		\rightarrow		CONNECTOR (MALE)	<u>'</u> .	
		C. CAPACITOR CH 16V 0.1U	1	P652	120	VUP31720003	OCHARCOTOR (MPGCE)		
		E. CAPACITOR 50V 3.3U	2		101	0001000	TRANSFERENCE	_	· · · · · · · · · · · · · · · · · · ·
		C. CAPACITOR CH 18V 0.1U	4	0270		2\$D1328	TRANSISTOR	1	
		C. CAPACITOR CH 16V 0.1U	4		_		TRANSISTOR	2	
C6556, 57	EEVHB1C470	E. CAPACITOR 18V 47U	2	Q630	-		TRANSISTOR	1	-
C6558	ECUM1C104ZFN	C, CAPACITOR CH 16V 0.10	1	0630	302	2\$81073	TRANSISTOR	1	
C6559	EEVHB1C100	E. CAPACITOR 16V 10U	1	Q630	303	MSD601-R	TRANSISTOR	1	
C6585. IIII	EEVHBOJ220	E. CAPACITOR 8. SV 22U	2	Q630	304	2SB1073	TRANSISTOR	_1	
				Q630	305	MSD601-R	TRANSISTOR	1	
D2713-16	MA856	DIODE	4	Q630	308	2SB1073	TRANSISTOR	1	
		DIODE	1	Q630	307	2SB1073-R	TRANSISTOR	1	
	MA4051-L	DIODE	- 1	Q630	308	MSD601-R	TRANSISTOR	1	
D8302-09		DIODE		0650	502	2SB709A	TRANSISTOR	1	
06310	MA142WK	DIODE	1	Q650	-	2SB1073	TRANSISTOR	1	
D8311		DIODE	1	9650	_		TRANSISTOR	1	
	AK04	DIODE	4	Qesc			TRANSISTOR	1	·
	MA142WK		1		- 1				
D8316		DIODE	$\overline{}$	ODE:	3301-03	VNITE	TRANSISTOR-RESISTOR	3	· · · · · · · · · · · · · · · · · · ·
D6317	MA4043L	30010	1		_		TRANSISTOR-RESISTOR	- 2	
	MA142WK		17		304.05			4	
D6501	AKQ4	DIODE	1		306-09		TRANSISTOR-RESISTOR	3	
06502, 03	MA721	DIODE -	2		3314-16	-	TRANSISTOR-RESISTOR	3	
06511	MA721WK	DIODE	1			UN221D	TRANS1STOR	_	
D6512	MA8062-H	DIODE	1		-	XN4213	TRANSISTOR-RESISTOR	1	
D6513	MA8039-H	DIODE	-1				TRANSISTOR-RESISTOR	_1	
					_		TRANSISTOR-RESISTOR	1	
IC2701	NJM2903M	10	1	QR65	3504	UN2211	TRANSISTOR-RESISTOR	1	
102702	UPC455802	10	1	GR65	3508	XN1212	TRANSISTOR-RESISTOR	1	
102703.04		10	2	QR6	3511	MUN2113	TRANSISTOR-RESISTOR	1	
	UPC455802	10	1	QR6	3514	MUN2113	TRANSISTOR-RESISTOR	-1	
102708	NJM2903M	IG	1	QR6:	3515	MUN2213	TRANSISTOR-RESISTOR	-1	
102707	NJM2904M	10	1		_	MUN2213	TRANSISTOR-RESISTOR	- 1	
102708	TB6519F	IC	1			-			
102709	PU3210	TRANSISTOR	1	R276	701	ERJ3RBD273	M. RESISTOR CH SW 27K	1	
102709	PU3110	TRANSISTOR	1				M. RESISTOR CH 1/16W 5.6K	2	
			1	R274			M. RESISTOR CH 1/16W 1.5K	1	
	PU3210	TRANSISTOR		R27	_		M. RESISTOR CH 1/18W 5.6K		
	PU3110	TRANSISTOR	1				M. RESISTOR ON 1/100 3:00	+	· · · · · · · · · · · · · · · · · · ·
	NJH2903M	10	1	R271	_				
102715	NJM2904M	1C	1	R27	-			- 7	
	BA6219BFP-Y	IC	3	R27			M. RESISTOR CH 3W 82K	1	ļ.
IC6304	UPD453886	IG	1	R27			ML RESISTOR CH 3W 15K	1	
106305	NJM2903M	10	٦	R27	_		M. RESISTOR 1/16W 33	_1	
106306	UPD4538BG	10	1	R27	714, 15		M. RESISTOR CH 1/16W 270	2	
106501, 02	BA6887-V3	IC	2	R27	716	ERJ14YJ330	M. RESISTOR III 1/4W 33	1	
106503	NJM2904M	IC	-1	R27	71.7	ERJ14YK2R2	M. RESISTOR CH 1/4W 2.2	_1	
	UPC455892	IC	2	R27	718	ERJ3GEYG472	M. RESISTOR CH 1/16W 4, 7K	1	
	NJM2903M	10	3	R27	719	ERJ3GEYG393	M. RESISTOR III 1/16W 39K	1	
	NJM2904M	10	2				M. RESISTOR CH 1/4W 33	3	
106503, 10	UPC455862	IC	1	R27	_		M. RESISTOR CH 1/4W 2.2	1	
108512	M68010GP	IC	i	R27	_		M. RESISTOR CH 1/16W 4.7K	1	
		IC	<u> </u>	R27			M. RESISTOR CH 1/16W 39K	1	
108513	UPC455802	10	Ľ	R21					<u> </u>
	1	t	<u> </u>	<u> </u>				\vdash	·

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Ref. No.	Part No.	Part Name & Description	Per	Remarks	Ref. No.	Part No.	Part Name & Descripti	orle,	s Remarks
	ERJ14YJ330	M. RESISTOR CH 1/4W 33	_		R6311	ERJ3GEYJ473	M. RESISTOR ON 1/16W 47	_	1
			-	 				_	al
	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	_			ERJ3GEYJ103	M. RESISTOR CH 1/16W 10		2
R2730		M, RESISTOR CK 1/16W 1K	1		R6314	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22		1
R2731	ERJ36EYJ184	M. RESISTOR CH 1/16W 180K	- (R6315	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47	K	1
R2732	ERJ30EYJ153	M. RESISTOR OH 1/16W 15K	1		R6316, 17	ERJ3GEYJ333	ML RESISTOR CH 1/16W 33		2
R2733	ERJ38EYG102	MURESISTOR CH 1/16W 1K	1		R6318	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47	\rightarrow	1
R2734		ML RESISTOR CH 1/16W 180K	1		R6319		M. RESISTOR CH 1/16W 22	-	il
			+					-	
R2735		M. RESISTOR CH 1/18W 15K	H.		R6320		M. RESISTOR CH 1/16W 47	_	
R2736		M. RESISTOR CH 1/16W 1, 2K			R6321		M. RESISTOR CH 1/16W 22	_	
R2737	ERJ3GEY0273	M. RESISTOR OH 1/16W 27K	1				M. RESISTOR CH 1/16W 390	(:	2
R2738	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1M	1		R6324-29	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100	()	3
R2739	ERJ3GEYG102	M. RESISTOR OH 1/16W 1K	1		R6330	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10		1
R2740		M. RESISTOR CH 1/16W 3.9K	1				M. RESISTOR OH 1/16W 4.7	$\overline{}$	2
		M. RESISTOR CH 1/16W 1M	1		R6333			_	
								-	
		M. RESISTOR CH 1/16W 3. BK	1		R6334		M. RESISTOR CH 1/16W 15	-	+
	ERJ3GEYOROO	M. RESISTOR CH I/I6W 0	. 1		R6335		ML RESISTOR CH 1/16W 22		
R2744	ERJ3GEYG222	M. RESISTOR III 1/16W 2. 2K	1		R6336	ERJ38EYJ222	ML RESISTOR CH 1/16W 2.2		·
R2745	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1		R6337	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22		
		MERESISTOR OH 1/18W 1K	1		R6338		ML RESISTOR CH 1/18W 4.7	-	
R2748		M. RESISTOR CH 1/16W 100K	4		R6330		M. RESISTOR CH 1/16W 15	-	
			1				-	_	
		M. RESISTOR CH 1/18W 5. 6K	ŀ		R6340		M. RESISTOR CH 1/16W 10	_	
R2750		M. RESISTOR CH 1/16W 560			R6341		M. RESISTOR CH 1/16W 2.7	-	
R2751	ERJØGEYJR33	M. RESISTOR CH 1/8W 0,33	_ 1		R6342	ERJ3GEY6472	M, RESISTOR OH 1/16W 4, 7		
R2752	ERJØGEYJR47	M. RESISTOR 1/8W 0.47	1		R6343	ERJ3GEYJ151	M. RESISTOR OH 1/16W 15)	
		M. RESISTOR CH 1/16W 4.7K	1		R6344		M. RESISTOR CH 1/16W 10	-	1
		M. RESISTOR CH 1/16W 330	3				M. RESISTOR CH 1/16W 22		
			_		R6345			_	
		M. RESISTOR CH 1/16W 4. 7K	1		R6346		M. RESISTOR OH 1/16W 2. 7	-	_
R2758	ERJ3GEYG102	M. RESISTOR CH 1/16W1 1K	- (R6347~49	ERJ3GEYJ103	M. RESISTOR III 1/16W 10	1	3
R2760	ERJ30EYG471	M. RESISTOR CH 1/16W 470	1		R6501	ERJ3RBD123	M, RESISTOR CH 3W 12	(1	
R2761	ERJ3GEYG102	M. RESISTOR ON 1/16W 1K	1		R6502	ERJ3GEYG332	M. RESISTOR CH 1/16W 3.3		
		M. RESISTOR CH 1/16W 330	1		R6503		M. RESISTOR CH 1/16W 150	-	1
		M. RESISTOR 1/16W 82K	1		R6504		M. RESISTOR CH 1/16W 39	-	
				-				-	
		ML RESISTOR CH 1/16W 330	1		R6505		ML RESISTOR CH 1/4W 10	-	
		M. RESISTOR CH 1/16W 470	1		R6506	ERJ30EYJ272	M. RESISTOR CH 1/16W 2.7	_	
R2766	ERJ3GEY6392	M. RESISTOR CH 1/19W 3.9K	1		R6507	ERJ3GEYJ334	M. RESISTOR OH 1/16W 330	1	
R2768	ERJ3GEYJ103	M. RESISTOR OH 1/18W 10K	1		R6508	ERJ36EYJ122	M. RESISTOR OH 1/16W 1.2	1	
		M. RESISTOR CH 3W 15K	1		R6509		M. RESISTOR CH 3W 3.3	17	
		M. RESISTOR CH 3W 82K	1		R6510		M. RESISTOR CH 3W 15	+	
			-					+-	
		M. RESISTOR CH SW 47K	1		R6511		M. RESISTOR III 1/16W 18	-	
		M. RESISTOR CH 3W 1K			R6512		M. RESISTOR IIII 3W 15	-	
		M. RESISTOR CH 1/4W 2.2	2		R6513	ERJ3RBD113	M. RESISTOR III 3W 11		
R2775	ERJ3RBD273	M. RESISTOR ON 3W 27K	1		R6514	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10	1	
R2777	ERJ36EYJ823	M. RESISTOR CH 1/16W B2K	1		R6515	ERJ14YK3R9	M. RESISTOR CH 1/4W 3.5	1	
		M, RESISTOR CH 1/16W 9.1K	1				M. RESISTOR 1/18W 1	-	
		M. RESISTOR CH 1/16W 330K	1		R6519		M. RESISTOR OH 1/10W 4. 7	-	
								+	
		M. RESISTOR III 1/16W 10K	2		R6520		ML RESISTOR CH 1/16W 82I	-	
—		M. RESISTOR CH 1/18W 1K	1		R6521		M. RESISTOR CH 1/16W 2.7	-	
		MURESISION CH 1/16W 69K	1		R6524		AL RESISTOR CH 1/4NY 5.0	-	
R2784	ERJ3GEYG472	M. RESISTOR III 1/16W 4.7K	-1		R6525-27	ERJ3GEYG102	M. RESISTOR CH 1/16W 1	3	
		ML RESISTOR I 1/16W 1.5K	$\overline{}$		R6529	ERJ3GEYOROO	M. RESISTOR CH 1/16W	-	" '
		-	i				M. RESISTOR CH 1/18W 10F	-	
			-1					-	
-			-1				M. RESISTOR CH 1/16W 10F	_	
$\overline{}$			1				M. RESISTOR CH 3W 180	-	
			_1				M. RESISTOR CH 1/16W 12	-	
R2791	ERJ3GEY0152	M. RESISTOR CH 1/16W 1.5K	1		R6536	ERJ3GEY6363	M. RESISTOR CH 3W 369	1	
R2792	ERJ36EYJ393	M. RESISTOR CH 1/16W 39K	1		R6537, 38	ERJ3GEY0223 ·	M. RESISTOR CH 1/16W 22F	2	
$\overline{}$			1				M. RESISTOR CH 1/16W 6.8	-	
			i					-	
			_					+	
-			1		$\overline{}$		M. RESISTOR	-	
			.1				M. RESISTOR OH 1/16W 27H	1	
R2798	ERJ3RBD102	M. RESISTOR CH SW 1K	1		R6545	ERJ3RBD104	M. RESISTOR CH 3W 100	1	
R2799	ERJ36EYG154	M. RESISTOR CH 1/16W 150K	1		R6546	ERJ3R8D103	M. RESISTOR III 3W 10H	Ti	
		M. RESISTOR OH 1/8W 0.27	1				M. RESISTOR CH 1/16W 10H		
			2		R6548		M. RESISTOR CH 1/18W 220	-	
			- 1					-	\vdash
			1		R6549		M. RESISTOR ON 1/16W 1.2E	-	
		M RESISTOR CH 1/10W 1.2K	1		R6550		M. RESISTOR CH 1/16W 6.8H	1	
R2605	ERJ3GEY0R00	M. RESISTOR III 1/16W II	-1		R6551	ERJ3GEYJ103	M. RESISTOR OH 1/16W 10H	1	
R2808	ERJ3GEYG333	ML RESISTOR CH 1/16W 33K	1		R6552	ERJ3GEYJ184	M. RESISTOR OH 1/16W 180H	T	
		M. RESISTOR IIII 1/16W 58K	1				M. RESISTOR OH 1/16W 10F	-	<u> </u>
			1				M. RESISTOR CH 1/16W 180H	-	
-			\rightarrow					-	
		M. RESISTOR CH 1/16W 47K	_1				M. RESISTOR CH 1/16W 10F	+-	
			_1				M. RESISTOR CH 1/16W 180		
R6303-07	ERJ3GEYJ103	M. RESISTOR III 1/16W 10K	5		R6559, 60	ERJ3GEYJ103	M. RESISTOR OH 1/16W 100	2	
R6308	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1		R6561	ERJ3GEYJ184	M. RESISTOR I 1/16W 1809	1	
		M. RESISTOR OH 1/18W 220K	2				M. RESISTOR III 1/16W 10h	-	
		The state of the s	-1					† <u>-</u> -	†——
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Dec Ma	Danie Na	Bont Nome & Docamination	D.,	Renarks	Ref. No.	Part No.	Part Name & Description	Per	Remarks
Ref. No.		Part Name & Description	_	Kensika				1 63	Kenaras
R6564	ERJ3GEYJ105	M. RESISTOR OH 1/16W 1M	-		D7502	_	DIODE	<u> </u>	
R6565	ERJ39EYOROO	M. RESISTOR CH 1/16W 0	1		07503-08	LN2BRCPPU	DIODE	- 6	
R6568	ERJ3GEYJ105	M. RESISTOR DE 1/16W 1M	1		D7509, 10	LN316CPHLMU	LEO	2	
			1				DIODE	2	
_		ML RESISTOR CH 1/16W 10K	-					-	
R6568	ERJ3GEY0R00	M. RESISTOR III 1/16W 0	1		D7513, 14		DIODE	2	
R6569	ERJ3GEYJ103	M. RESISTOR DWI 1/16W 10K	1		D7515, 16	LN28RCPPU	DIODE	2	l <u>. </u>
R6570	ERJ3GEYJ105	MURESISTOR CH 1/18W 1M	1		07517	MA165	DIODE	1	1
		M. RESISTOR CH 1/16W 0	1		D7518	MA4056-H	DIODE	1	
			-		D1010	H-1-030 11		H	
R6572	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1M	1					<u> </u>	
R6573	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1		DP 7501	VSL0512	DISPLAY	_ 1	
R6574	ERJ3GEY0R00	M. RESISTOR CH 1/19W 0	1						
		M. RESISTOR CH 3W 1.8K	1		107501	M35500AFP	10	1	
							IC	1	
R6578, 77		M. RESISTOR CH 3W 22K	2		107502	S80743AL		H	
R6578-80	ERJ3GEYJ222	M. RESISTOR CH 1/18W 2.2K	'n		107503	M66010GP	10	1	
R6581-86	ERJ3GEYJ272	M. RESISTOR CH 1/16W 2.7K	e		107504	BA6810F	10	1	
P6587-89	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	3		107505	RN5RZ38BA	ic	1	
					14144	10101120001		H	
R6590		M. RESISTOR CH 1/16W 10K	1					٠.	
R6592	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	ī		L7501	VLQ0589J220	COIL 22UH	1	
R6593, 94	ERJ6GEY6222	M. RESISTOR CH 1/10W 2.2K	2	·					
		M. RESISTOR CH 1/16W 1QK	ŧ		LB7501-04	VLP0147	COIL	4	
			-		L			Ť	1
		M. RESISTOR CH 1/16W 1.2K	ì		<u> </u>				
R6597	ERJ3GEY6332	MLRESISTOR OH 1/16W 3.3K	_ 1		P7501	VJS3537B017	CONNECTOR (FEMALE)	1	
R6598	ERJ3GEY6682	M. RESISTOR CH 1/16W 8.9K	í		P7502	VJS35378019	CONNECTOR (FEMALE)	1	
			-			VJP1231T	CONNECTOR (MALE) 4P	1	
			1					-	
R6600	ERJ3GEYG102	M. RESISTOR OH 1/10W IK	i		P7503	VJS1231T	CONNECTOR (FEMALE)	1	
R6602	ERJ14YK3R3	M. RESISTOR CH 1/4W 3.3	1		P7504	VJ32183	CONNECTOR (FEMALE)	1	
	ERJ14YK5R0	M. RESISTOR OIL 1/4W 5.6	2		P7601	VJ\$1231T	CONNECTOR (FEMALE)	1	1
			-					Ė	1
		ML RESISTOR CH 1/15W 10K)			*	TO LINE OWNER BOOK AND A COMMENT		-
R6611-13	ERJ3GEYJ103	MURESISTOR CH 1/16W 10K	Э		QR7501-16	MUN2112	TRANSISTOR-RESISTOR	18	
R6614	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	ī		QR7517-19	MUN2111	TRANSISTOR-RESISTOR	3	
		M. RESISTOR CH 1/16W 10K	3		QR7520-23	UN211E	TRANSISTOR-RESISTOR	4	
			- 4		4117020 20	0.42.1.11		H	
R6618	ERJ3GEYJ223	M. RESISTOR OH 1/18W 22K	1					<u> </u>	ļ. —
					R7501, 02	ERDS2TO	C. RESISTOR 1/4W 0	2	
56501	VSP1054	SWITCH	1		R7503, 04	ERDS2TJ102	0. RESISTOR 1/4W 1.3K	2	
	VSP1055	SWITCH	1		R7505		M. RESISTOR CH 1/10W 100	1	
			,						
\$6503	VSP1054	SWITCK	1		R7506	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0		
\$6504	VSS0512	SWITCH	1		R7507	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	1	
					R7510	ERJ8GEYG432	M. RESISTOR CH 1/10W 4, 3K	1	
******		THAT HALLIE	_			_	M. RESISTOR CH 1/10W 30K	6	-
TP2701-04		TEST POINT	4					<u> </u>	
TP6501-05	VJR0098	TEST POINT	ΙÓ		R7520-24	ERJ8GEYG221	M. RESISTOR CH 1/10W 220	5	
					R7526	ERJ6GEYG221	M. RESISTOR OH 1/10W 220	1	
VP2701 02	EVMECSA00B12	V. RESISTOR 100	2		R7528	ERJ6GEY6221	M. RESISTOR CH 1/10W 220	1	
			-					3	
VR6501	EVMECSA00B24	V. RESISTOR 20K	1				M. RESISTOR CH 1/10W 220	13	
VR6502	EVMEGSA00B54	V. RESISTOR 50K	1		R7542	ERJ6GEYORÓÓ	ML RESISTOR OH 1/10W	1	
					R7543-46	ERJ66EYG103	M. RESISTOR OH 1/10W 10K	4	
		MISCELLANEOUS					M. RESISTOR CH 1/10W 220	B	
		#130ELLPMEGG3				***		۳	
					R7563		M. RESISTOR CH 1/10W 2.7K	Ľ	
ľ	VWJ26HW080WM	FLAT CARD CABLE	1		R7564, 65	ERJ8GEYF473	M. RESISTOR OH 1/10W 47K	2	
	VIIJ32HW080MM	FLAT CARD CABLE	1		R7566	ERJ66EY6102	ML RESISTOR CH 1/10W 1K	1	
					R7567		M. RESISTOR CH 1/10W 22K	1	
		٠					M. RESISTOR CH 1/10W 220	⊢ ⁴	
T			L		R7573	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	\perp 1	
					R7574	ERJ66EY0102	MURESISTOR OH 1/10W 1K	1	
								Г	
		T.U.T. 0. D. 1	-	(BTI)	Bullest Co	EVDERETES	power back some	<u></u>	
	VEP07977A		1	(RTL)			COMBI. R-R 100K	_	
		TIMER C. B. A.	_					1	
		TIMER C. B. A.			RX7503	EXBF8E104J	COMBI.R-R 100K	-	1
		TIMER C. B. A.			RX7503	EXBF8E104J	COMBI.R-R 100K	Г	
P7501	ECHNICAGICA		-					1	
		C. CAPACITOR I 50V 0.01U	-		8X7503 87501	VSP1053	COMBIR-R 100K SWITCH	1	
	ECUMINIOSZFN ECEAINKS100	C. CAPACITOR SOV 0. 01U E. CAPACITOR SOV 10U	1		87501	VSP1053	SWITCH		
07502	ECEA1HKS100	C. CAPACITOR I 50V 0.01U	1				SWITCH		
07502 07508, 09	ECEATHKS100 ECUMTH101JCN	C. CAPACITOR 50V 0, 01U E. CAPACITOR 50V 10U C. CAPACITOR CH 50V 190P	1 2		87501	VSP1053	SWITCH		
07502 07508, 09 07510	ECEATHKS100 ECUMTH101JCN ECUMTH220JCN	C. CAPACITOR 50V 0, 01U E. CAPACITOR 50V 10U C. CAPACITOR CH 50V 190P C. CAPACITOR CH 50V 22P	1 2		\$7501 VR4004	VSP1053 EVNCYAA03853	SWLTCH V. RESISTOR 5K	1	
07502 07508, 09 07510 07512	ECEATHKS100 ECUMTH101JCN ECUMTH220JCN ECEATHKS2R2	C. CAPACITOR 50V 0, 01U E. CAPACITOR 50V 10U C. CAPACITOR CH 50V 100P C. CAPACITOR CH 50V 22P E. CAPACITOR 50V 2. 2U	1 2 1		\$7501 VR4004 287501	VSP1053 EVNCYAA03853 VJF1331	SWITCH V. RESISTOR 5K FIP HOLDER	1	
C7502 C7508, 09 C7510 C7512 C7513, 14	ECEATHKS100 ECUMTH101 JCN ECUMTH220 JCN ECEATHKS2R2 ECUMTH104ZFN	C. CAPACITOR ■ 50V 0. O1U E. CAPACITOR 50V 10U C. CAPACITOR CH 50V 100P C. CAPACITOR CH 50V 22P E. CAPACITOR 50V 2. 2U C. CAPACITOR ■ 50V 0. 1U	1 2 1 1 2		\$7501 VR4004 287501 ZB7503-06	VSP1053 EVNCYAA03853 VJF1331 VM00504	SWITCH V. RESISTOR 5K FIP HOLDER LED HOLDER	1 1 6	
07502 07508, 09 07510 07512 07513, 14	ECEATHKS100 ECUMTH101 JCN ECUMTH220 JCN ECEATHKS2R2 ECUMTH104ZFN	C. CAPACITOR 50V 0, 01U E. CAPACITOR 50V 10U C. CAPACITOR CH 50V 100P C. CAPACITOR CH 50V 22P E. CAPACITOR 50V 2. 2U	1 2 1 1 2		\$7501 VR4004 287501	VSP1053 EVNCYAA03853 VJF1331 VM00504	SWITCH V. RESISTOR 5K FIP HOLDER	1	
07502 07508, 09 07510 07512 07513, 14 07515	ECEATHKS100 ECUMTH101 JCN ECUMTH220 JCN ECEATHKS2R2 ECUMTH104ZFN ECEAOJKS101	C. CAPACITOR ■ 50V 0.01U E. CAPACITOR 50V 10U C. CAPACITOR CH 50V 100U C. CAPACITOR CH 50V 22P E. CAPACITOR 50V 2.2U C. CAPACITOR 50V 0.1U E. CAPACITOR 6.3V 100U	1 2 1 1 2		\$7501 VR4004 287501 ZB7503-08 ZB7509-10	VSP1053 EVNCYAA03853 VJF1331 VM00504 VMX1932	SWITCH V. RESISTOR 5K FIP HOLDER LED HOLDER	1 1 6	
C7502 C7508, 09 C7510 C7512 C7513, 14 C7515 C7516, 17	ECEATHKS100 ECUM1H101JCN ECUM1H22OJCN ECEATHKS2R2 ECUM1H104ZFN ECEAOJKS101 ECUM1H103ZFN	C. CAPACITOR ■ 50V 0. 01U E. CAPACITOR 50V 10U C. CAPACITOR CH 50V 22P C. CAPACITOR CH 50V 2. 2U C. CAPACITOR 50V 0. 1U E. CAPACITOR ■ 50V 0. 1U E. CAPACITOR 6. 3V 100U C. CAPACITOR 6. 3V 0. 01U	1 1 1 2 1 2		\$7501 VR4004 287501 ZB7503-06	VSP1053 EVNCYAA03853 VJF1331 VM00504 VMX1932	SWITCH V. RESISTOR 5K FIP HOLDER LED HOLDER LED SPACER	1 6 2	
C7502 C7508, 09 C7510 C7512 C7513, 14 C7515 C7516, 17 C7518, 19	ECEA1HK\$100 ECUM1H101JCN ECUM1H220JCN ECEA1HK\$2RZ ECUM1H104ZFN ECEA0JK\$101 ECUM1H103ZFN ECUM1H104ZFN	C. CAPACITOR ■ 50V 0. 01U E. CAPACITOR 50V 10U C. CAPACITOR CH 50V 22P C. CAPACITOR CH 50V 2. 2U C. CAPACITOR 50V 0. 1U E. CAPACITOR 6. 3V 100U C. CAPACITOR 6. 3V 100U C. CAPACITOR CH 50V 0. 01U C. CAPACITOR CH 50V 0. 1U C. CAPACITOR CH 50V 0. 1U	1 2 1 1 2 1 2		\$7501 VR4004 287501 ZB7503-08 ZB7509-10	VSP1053 EVNCYAA03853 VJF1331 VM00504 VMX1932	SWITCH V. RESISTOR 5K FIP HOLDER LED HOLDER LED SPACER LED HOLDER	1 6 2	
C7502 C7508, 09 C7510 C7512 C7513, 14 C7515 C7516, 17 C7518, 19	ECEA1HK\$100 ECUM1H101JCN ECUM1H220JCN ECEA1HK\$2RZ ECUM1H104ZFN ECEA0JK\$101 ECUM1H103ZFN ECUM1H104ZFN	C. CAPACITOR ■ 50V 0. 01U E. CAPACITOR 50V 10U C. CAPACITOR CH 50V 22P C. CAPACITOR CH 50V 2. 2U C. CAPACITOR 50V 0. 1U E. CAPACITOR ■ 50V 0. 1U E. CAPACITOR 6. 3V 100U C. CAPACITOR 6. 3V 0. 01U	1 2 1 1 2 1 2		\$7501 VR4004 287501 ZB7503-08 ZB7509-10	VSP1053 EVNCYAA03853 VJF1331 VM00504 VMX1932	SWITCH V. RESISTOR 5K FIP HOLDER LED HOLDER LED SPACER	1 6 2	
C7502 C7508, 09 C7510 C7512 C7513, 14 C7515 C7516, 17 C7518, 19 C7520, 21	ECEA 1 HKS 100 ECUM 1 H 101 JCN ECUM 1 H 220 JCN ECEA 1 H KS 2 R 2 ECUM 1 H 104 Z F N ECEA 0 JKS 101 ECUM 1 H 104 Z F N ECUM 1 H 104 Z F N ECUM 1 E 473 Z F N	C. CAPACITOR ■ 50V 0. 01U E. CAPACITOR 50V 10U C. CAPACITOR CH 50V 22P C. CAPACITOR CH 50V 2. 2U C. CAPACITOR 50V 0. 1U E. CAPACITOR 6. 3V 100U C. CAPACITOR 6. 3V 100U C. CAPACITOR CH 50V 0. 01U C. CAPACITOR CH 50V 0. 1U C. CAPACITOR CH 50V 0. 1U	1 1 1 2 1 2 2 2		\$7501 VR4004 287501 ZB7503-08 ZB7509-10	VSP1053 EVNCYAA03853 VJF1331 VM00504 VMX1932	SWITCH V. RESISTOR 5K FIP HOLDER LED HOLDER LED SPACER LED HOLDER	1 6 2	
07502 07508, 09 07510 07512 07513, 14 07515 07516, 17 07518, 19 07520, 21 07522	ECEA IMISS 100 EQUIMITION JUNI ECUMITION JUNI ECEA IMISS 2R2 ECUMITION JUNI ECEA OUN JUNI ECEA OUN JUNI ECUMITION J	C. CAPACITOR ■ 50V 0, 01U E. CAPACITOR 50V 10U C. CAPACITOR CH 50V 100P C. CAPACITOR CH 50V 22P E. CAPACITOR 50V 2.2U C. CAPACITOR 50V 0. 1U C. CAPACITOR 6.3V 100U C. CAPACITOR CH 50V 0. 01U C. CAPACITOR CH 50V 0. 1U	1 1 1 2 1 2 2 2		\$7501 VR4004 287501 ZB7503-08 ZB7509-10	VSP1053 EVNCYAA03853 VJF1331 VM00504 VMX1932 VM00504	SWITCH V. RESISTOR 5K FIP HOLDER LED HOLDER LED SPACER LED HOLDER MISCELLANEOUS	1 6 2 6	
C7502 C7508.09 C7510 C7512 C7513.14 C7515. C7516.17 C7518.19 C7520.21 C7522	ECEATHKS 100 ECUMINITOT JCN ECUMINITOT JCN ECEATHKS 2R2 ECUMINITOT ZEN ECEMONISTOT ECUMINITOT ZEN ECUMINITOT ZEN ECUMINITOT ZEN ECUMINITOT ZEN ECUMINITOT ZEN ECUMINITOT ZEN ECUMINITOT ZEN ECUMINITOT ZEN ECUMINITOT ZEN	C. CAPACITOR ■ 50V 0, 01U E. CAPACITOR 50V 10U C. CAPACITOR CH 50V 100P C. CAPACITOR CH 50V 22P E. CAPACITOR 50V 2.2U C. CAPACITOR ■ 50V 0.1U C. CAPACITOR CH 50V 0.01U C. CAPACITOR CH 50V 0.01U C. CAPACITOR CH 50V 0.01U C. CAPACITOR CH 50V 0.047U C. CAPACITOR CH 50V 0.01U E. CAPACITOR CH 50V 0.1U E. CAPACITOR CH 50V 0.1U	1 1 1 2 1 2 2 2		\$7501 VR4004 287501 ZB7503-08 ZB7509-10	VSP1053 EVNCYAA03853 VJF1331 VM00504 VMX1932	SWITCH V. RESISTOR 5K FIP HOLDER LED HOLDER LED SPACER LED HOLDER	1 6 2 6	
07502 07508, 09 07510 07512 07513, 14 07515 07516, 17 07518, 19 07520, 21 07522 07523 07524	ECEA IMIS I 00 ECUMI I I 1 1 JCN ECUMI I I 1 2 JCN ECEA I I I 1 2 CUMI I I 1 4 7 3 CM ECUMI I I 1 4 7 3 CM ECUMI I I 4 7 3 CM ECUMI I I 4 7 3 CM ECUMI I I 4 2 CM ECEA OJK S 2 2 C ECUX I I 2 2 3 CM	C. CAPACITOR ■ 50V 0.01U E. CAPACITOR 50V 10U C. CAPACITOR CH 50V 100P C. CAPACITOR CH 50V 22P E. CAPACITOR 50V 2.2U C. CAPACITOR 6.3V 100U C. CAPACITOR 6.3V 100U C. CAPACITOR 6.3V 100U C. CAPACITOR 6.3V 0.01U C. CAPACITOR 6.50V 0.1U C. CAPACITOR CH 50V 0.1U C. CAPACITOR CH 50V 0.1U C. CAPACITOR CH 50V 0.1U E. CAPACITOR CH 50V 0.1U E. CAPACITOR CH 50V 0.1U E. CAPACITOR CH 50V 0.2U C. CAPACITOR CH 50V 0.22U	1 2 1 1 2 2 2 2 2 1 1		\$7501 VR4004 287501 ZB7503-08 ZB7509-10	VSP1053 EVNCYAA03853 VJF1331 VM00504 VMX1932 VM00504	SWITCH V. RESISTOR 5K FIP HOLDER LED HOLDER LED SPACER LED HOLDER MISCELLANEOUS	1 6 2 6	
07502 07508, 09 07510 07512 07513, 14 07515 07516, 17 07518, 19 07520, 21 07522 07523 07524	ECEATHKS 100 ECUMINITOT JCN ECUMINITOT JCN ECEATHKS 2R2 ECUMINITOT ZEN ECEMONISTOT ECUMINITOT ZEN ECUMINITOT ZEN ECUMINITOT ZEN ECUMINITOT ZEN ECUMINITOT ZEN ECUMINITOT ZEN ECUMINITOT ZEN ECUMINITOT ZEN ECUMINITOT ZEN	C. CAPACITOR ■ 50V 0.01U E. CAPACITOR 50V 10U C. CAPACITOR CH 50V 100P C. CAPACITOR CH 50V 22P E. CAPACITOR 50V 2.2U C. CAPACITOR 6.3V 100U C. CAPACITOR 6.3V 100U C. CAPACITOR 6.3V 100U C. CAPACITOR 6.3V 0.01U C. CAPACITOR 6.50V 0.1U C. CAPACITOR CH 50V 0.1U C. CAPACITOR CH 50V 0.1U C. CAPACITOR CH 50V 0.1U E. CAPACITOR CH 50V 0.1U E. CAPACITOR CH 50V 0.1U E. CAPACITOR CH 50V 0.2U C. CAPACITOR CH 50V 0.22U	1 2 1 1 2 2 2 2 2 1 1		\$7501 VR4004 287501 ZB7503-08 ZB7509-10	VSP1053 EVNCYAA03853 VJF1331 VM00504 VMX1932 VM00504	SWITCH V. RESISTOR 5K FIP HOLDER LED HOLDER LED SPACER LED HOLDER MISCELLANEOUS	1 6 2 6	
07502 07508, 09 07510 07512 07513, 14 07515 07516, 17 07518, 19 07520, 21 07522 07523 07524 07524 07525, 28	ECEA I MKS 1 00 ECUM I H 1 0 1 JCN ECUM I H 1 2 0 JCN ECEA I H KS 2 R 2 ECUM I H 1 0 4 Z F N ECEA DUS 1 0 1 ECUM I H 1 0 4 Z F N ECUM I H 1 0 4 Z F N ECUM I H 1 0 4 Z F N ECUM I H 1 0 4 Z F N ECUM I H 1 0 4 Z F N ECEA DUS 2 2 0 ECUX I H 2 2 X E M ECEA I E KS 4 R 7	C. CAPACITOR ■ 50V 0.01U E. CAPACITOR 50V 10U C. CAPACITOR CH 50V 100D C. CAPACITOR CH 50V 22P E. CAPACITOR S0V 2.2U C. CAPACITOR ■ 50V 0.1U E. CAPACITOR 6.3V 100U C. CAPACITOR CH 50V 0.01U C. CAPACITOR ■ 50V 0.01U C. CAPACITOR ■ 25V 0.04TU C. CAPACITOR CH 50V 0.1U C. CAPACITOR CH 50V 0.1U E. CAPACITOR CH 50V 0.22U C. CAPACITOR 25V 4.7U	1 2 1 1 2 2 2 2 2 1 1		\$7501 VR4004 287501 ZB7503-08 ZB7509-10	VSP1053 EVNCYAA03853 VJF1331 VM00504 VMX1932 VM00504	SWITCH V. RESISTOR 5K FIP HOLDER LED HOLDER LED SPACER LED HOLDER MISCELLANEOUS	1 6 2 6	
07502 07508, 09 07510 07512 07513, 14 07515 07516, 17 07518, 19 07520, 21 07522 07523 07524 07524 07525, 28 07527	ECEATHKS 100 ECUMITH 101 JCN ECUMITH 20 JCN ECEATHKS 2R2 ECUMITH 104 ZFN ECEADUS 101 ECUMITH 103 ZFN ECUMITH 104 ZFN ECUMITH 104 ZFN ECUMITH 104 ZFN ECEADUS 220 ECUX 1 H 22 3 KBN ECEATEKS 4 R 7 ECEATEKS 4 R 7	C. CAPACITOR ■ 50V 0.01U E. CAPACITOR CH 50V 100U C. CAPACITOR CH 50V 100U C. CAPACITOR CH 50V 22P E. CAPACITOR CH 50V 0.1U E. CAPACITOR 6.3V 100U C. CAPACITOR 6.3V 100U C. CAPACITOR CH 50V 0.1U E. CAPACITOR CH 50V 0.1U E. CAPACITOR CH 50V 0.2U C. CAPACITOR CH 50V 0.2U C. CAPACITOR CH 50V 0.22U C. CAPACITOR CH 50V 0.22U C. CAPACITOR CH 50V 0.22U C. CAPACITOR 25V 4.7U E. CAPACITOR 25V 4.7U E. CAPACITOR 16V 10U	1 2 1 2 2 2 2 1 1 1 2 1 1 2 1 1 2 1 1		\$7501 VR4004 287501 ZB7503-08 ZB7509-10	VSP1053 EVNCYAA03853 VJF1331 VM00504 VMX1932 VM00504	SWITCH V. RESISTOR 5K FIP HOLDER LED HOLDER LED SPACER LED HOLDER MISCELLANEOUS	1 6 2 6	
07502 07508 09 07510 07512 07513 14 07515 07516 17 07518 19 07520 21 07520 21 07522 07523 07524 07525 28 07527	ECEATHKS 100 ECUMITH 101 JCN ECUMITH 20 JCN ECEATHKS 2R2 ECUMITH 104 ZFN ECEADUS 101 ECUMITH 103 ZFN ECUMITH 104 ZFN ECUMITH 104 ZFN ECUMITH 104 ZFN ECEADUS 220 ECUX 1 H 22 3 KBN ECEATEKS 4 R 7 ECEATEKS 4 R 7	C. CAPACITOR ■ 50V 0.01U E. CAPACITOR 50V 10U C. CAPACITOR CH 50V 100D C. CAPACITOR CH 50V 22P E. CAPACITOR S0V 2.2U C. CAPACITOR ■ 50V 0.1U E. CAPACITOR 6.3V 100U C. CAPACITOR CH 50V 0.01U C. CAPACITOR ■ 50V 0.01U C. CAPACITOR ■ 25V 0.04TU C. CAPACITOR CH 50V 0.1U C. CAPACITOR CH 50V 0.1U E. CAPACITOR CH 50V 0.22U C. CAPACITOR 25V 4.7U	1 2 1 2 2 2 2 1 1 1 2 1 1 2 1 1 2 1 1		\$7501 VR4004 287501 ZB7503-08 ZB7509-10	VSP1053 EVNCYAA03853 VJF1331 VM00504 VMX1932 VM00504	SWITCH V. RESISTOR 5K FIP HOLDER LED HOLDER LED SPACER LED HOLDER MISCELLANEOUS	1 6 2 6	
07502 07508, 09 07510 07512 07513, 14 07515 07516, 17 07518, 19 07520, 21 07522 07523 07524 07524 07525, 28 07527	ECEATHKS 100 ECUMITH 101 JCN ECUMITH 20 JCN ECEATHKS 2R2 ECUMITH 104 ZFN ECEADUS 101 ECUMITH 103 ZFN ECUMITH 104 ZFN ECUMITH 104 ZFN ECUMITH 104 ZFN ECEADUS 220 ECUX 1 H 22 3 KBN ECEATEKS 4 R 7 ECEATEKS 4 R 7	C. CAPACITOR ■ 50V 0.01U E. CAPACITOR CH 50V 100U C. CAPACITOR CH 50V 100U C. CAPACITOR CH 50V 22P E. CAPACITOR CH 50V 0.1U E. CAPACITOR 6.3V 100U C. CAPACITOR 6.3V 100U C. CAPACITOR CH 50V 0.1U E. CAPACITOR CH 50V 0.1U E. CAPACITOR CH 50V 0.2U C. CAPACITOR CH 50V 0.2U C. CAPACITOR CH 50V 0.22U C. CAPACITOR CH 50V 0.22U C. CAPACITOR CH 50V 0.22U C. CAPACITOR 25V 4.7U E. CAPACITOR 25V 4.7U E. CAPACITOR 16V 10U	1 2 1 2 2 2 2 1 1 1 2 1 1 2 1 1 2 1 1		\$7501 VR4004 287501 ZB7503-06 ZB7509-16 ZB7511-16	VSP1053 EVNCYAA03853 VJF1331 VM00504 VMX1932 VM00504 VEE0027	SWITCH V. RESISTOR 5K FIP HOLDER LED HOLDER LED SPACER LED HOLDER MISCELLANEOUS GABLE	1 6 2 6	P7801-P7503
07502 07508, 09 07510 07512 07513, 14 07516, 17 07518, 19 07520, 21 07522 07523 07524 07525, 28 07527 07528	ECEATHKS 100 ECUMITH 101 JCN ECUMITH 20 JCN ECEATHKS 2R2 ECUMITH 104 ZFN ECEADUS 101 ECUMITH 103 ZFN ECUMITH 104 ZFN ECUMITH 104 ZFN ECUMITH 104 ZFN ECEADUS 220 ECUX 1 H 22 3 KBN ECEATEKS 4 R 7 ECEATEKS 4 R 7	C. CAPACITOR ■ 50V 0.01U E. CAPACITOR CH 50V 100U C. CAPACITOR CH 50V 100U C. CAPACITOR CH 50V 22P E. CAPACITOR CH 50V 0.1U E. CAPACITOR 6.3V 100U C. CAPACITOR 6.3V 100U C. CAPACITOR CH 50V 0.1U E. CAPACITOR CH 50V 0.1U E. CAPACITOR CH 50V 0.2U C. CAPACITOR CH 50V 0.2U C. CAPACITOR CH 50V 0.22U C. CAPACITOR CH 50V 0.22U C. CAPACITOR CH 50V 0.22U C. CAPACITOR 25V 4.7U E. CAPACITOR 25V 4.7U E. CAPACITOR 16V 10U	1 2 1 2 2 2 2 1 1 1 2 1 1 2 1 1 2 1 1		\$7501 VR4004 287501 ZB7503-06 ZB7509-16 ZB7511-16	VSP1053 EVNCYAA03853 VJF1331 VM00504 VMX1932 VM00504	SWITCH V. RESISTOR 5K FIP HOLDER LED HOLDER LED SPACER LED HOLDER MISCELLANEOUS	1 6 2 6	
07502 07508, 09 07510 07512 07513, 14 07515 07516, 17 07518, 19 07520, 21 07522 07523 07524 07525, 28 07527 07528	ECEATHKS100 ECUMIH101JCN ECEMIHS220JCN ECEATHKS2R2 ECUMIH104ZFN ECEADJKS101 ECUMIH104ZFN ECUMIH104ZFN ECUMIH104ZFN ECUMIH104ZFN ECEATEKS4R7 ECEATEKS4R7 ECEATEKS4R7 ECEATEKS4R7 ECEATEKS4R7	C. CAPACITOR ■ 50V 0.01U E. CAPACITOR 50V 10U C. CAPACITOR 650V 10U C. CAPACITOR CH 50V 22P E. CAPACITOR CH 50V 0.1U E. CAPACITOR 6.3V 100U C. CAPACITOR 6.3V 100U C. CAPACITOR 6.3V 100U C. CAPACITOR 6.3V 0.01U C. CAPACITOR 6.3V 0.01U C. CAPACITOR 6.3V 0.1U E. CAPACITOR 6.3V 22U C. CAPACITOR 6.3V 22U C. CAPACITOR 6.3V 10U C. CAPACITOR 6.3V 0.1U C. CAPACITOR 6.3V 0.1U C. CAPACITOR 6.3V 0.22U E. CAPACITOR 6.3V 0.22U E. CAPACITOR 6.3V 0.22U E. CAPACITOR 6.3V 0.22U C. CAPACITOR 6.3V 0.22U E. CAPACITOR 6.3V 0.21U	1 2 1 1 2 2 2 2 1 1 1 2 1 1 1 2 1 1 1 1		\$7501 VR4004 287501 ZB7503-06 ZB7509-16 ZB7511-16	VSP1053 EVNCYAA03853 VJF1331 VM00504 VMX1932 VM00504 VEE0027	SWITCH V. RESISTOR 5K FIP HOLDER LED HOLDER LED SPACER LED HOLDER MISCELLANEOUS GABLE	1 6 2 6	P7801-P7503

Řef. No.	Part No	Part Name M Descriptio	-B-	Remarks	Ref. No.	Part No.	Part Name & Descriptio	Jn.	B
MCZ. HO.	Ture No.	att Manie & Descriptio	11.0	NGRAI ES	R4805	ERJ6GEYG221	M. RESISTOR CH 1/10W 220	-	
	1		╁					+	1
* 14 ***			+	 	R4806	ERJ6RBD471	M. RESISTOR CH 1/10W 470	-	1
C4851		C. CAPACITOR CH SOV 0.1U	_		R4807	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	1
04852, 53	ECUM1H471JCN	C. CAPACITOR CH 50V 470P	2		R4808	ERJ6RBD162	M. RESISTOR CH 1/10W 1. BK		1
04854, 55	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	2	1	R4809, 10	ERJ6RBD101	M. RESISTOR CH 1/10W 100		2
C4856	ECEAOJKA470	E. CAPACITOR 8.3V 47U	1		R4811	ERJ6RBD162	M. RESISTOR CH 1/10W 1. BK		1
04857	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1		R4812	ERJ6RBD471	M. RESISTOR CH 1/10W 470		1
			+	 	R4813		M. RESISTOR CH 1/10W D	-	1
04851, 52	WATES	DIODE	2					-	
04001, 32	MALLOS	01006	+-		R4814	ERJ6RBD162	M. RESISTOR CH 1/10W 1, 6K	-	1
_			╄		R4815	ERJ6RBD471	M. RESISTOR CH 1/10W 470	+	1
1R4851	RPM6937-V11	REMOTE CONTROL RECEIVER	. 1		R4816	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1.1	1
					R4817	ERJ6R8D101	M. RESISTOR OH 1/10W 100	[1	1
JK4851	VEJ1801	JACK	ĭ					Т	
_			\vdash		S4801-08	EV011407K	SWITCH	1	Bi
K4851	VWJ0119	JUMPER	1		.,,,,,,	2101110111		Η,	·
14-1001	***************************************	DOME EN	+ '		MD4001	EN INMOET SOOO	H DEGLEYOR BE	١.	
			ļ.,		VR4801	EVJYMOF15023		-	1
LB4851, 52	VLP0145	COIL	2		VR4802	EWANYJX1054J	V. RESISTOR 1. 05M	_ 1	
				<u> </u>	VR4803	EVJ021F1554J	V. RESISTOR 1. 55M	1	1
P4851	VJ\$3537B0226	CONNECTOR (FEMALE)	1					Т	
			Ť		ZB4801	V6U7650	VOLUME KNOB	1	
R4851-52	ERJEGEVATED	M. RESISTOR OH 1/10W 75	3		ZB4802, 03		REC LEVEL KNOB	1	
			-					+	
		14.4	-		ZB4804	VGU7652	MIC KNOB	<u> </u> 1	-
R4856		C. RESISTOR 1/4W 47	-		ZB4805	VMD2326	REFLECTOR	1	
R4857	ERJ6GEYF473	M. RESISTOR CH 1/10W 47K	1		ZB4806	VKM3673	REC VOL PLATE	1	
R4858	ERJ6GEYG332	M. RESISTOR CH 1/10W 3.3K	1		ZB4807	VGF0208	REC VR SHEET	1	
			m		ZB4808	VGF0740	VC SHEET	H	
54951	EV011407K	SWITCH	1					⊢'	
			-	 				\vdash	
\$4852	ES0170306	SWITCH	1	<u> </u>				\vdash	
\$4853	VSR0221	SWITCH	1						
			L						
ZB4851	VMD2247	INFRA HOLDER	1						
284852	VGU7654	SLIDE KNOB	1			VEP07968A	MODULAR C. B. A.	ĭ	(RTL)
ZB4853	VGU7852	MIC KNOS	1					Η.	
ZB4854	VGF0740	VC SHEET	1					⊢	
204034	VGI 0740	VO SHEET							
			-		JK7801	VJJ0587	4P MODULAR JACK	1	
					P7801	VJP1231T	CONNECTOR (MALE) 4P	ī	
		"					MISCELLANEOUS		-
	VCBAJEOGD	EDONT (D) C D A	-	(071.)			MI SOCILLAREOUS	L	
	VEP04898D	FRONT (R) C.B.A.	1	(RTL)					
	VEP04898D	FRONT (R) C.B.A.	1	(RTL)		VMX1021	LOCKING SPACER	1	
				(RTL)		VMX1021		1	
G4801, 02	ECUMIH103ZFN	C. CAPACITOR BH 50V 0.01U	2	(RTL)		VMX1021		1	
G4801, 02	ECUMIH103ZFN			(RTL)		VMX1021		1	
G4801, 02 C4803, 04	ECUMIH103ZFN	C. CAPACITOR DH 50V 0. 01U C. CAPACITOR CH 50V 0. 22U	2	(RTL)		VMX1021		1	
G4801, 02 C4803, 04 C4805	ECUATH103ZFN ECUX1H223KBN ECEA1CKA330	C. CAPACITOR BH 50V 0.01U C. CAPACITOR CH 50V 0.22U E. CAPACITOR 18V 33U	2 2	(RTL)		VMX1021		1	
G4801, 02 C4803, 04 C4805 C4806	ECUMIH103ZFN ECUX1H223KBN ECEA1CKA330 ECEA1EKS3R3	C. CAPACITOR BH 50V 0.01U C. CAPACITOR CH 50V 0.22U E. CAPACITOR 18V 33U E. CAPACITOR 25V 3.3U	2 1 1	(RTL)			LOCKING SPACER		
G4801, 02 C4803, 04 C4805 C4806 C4807	ECUMIH103ZFN ECUX1H223KBN ECEA1CKA330 ECEA1EKS3R9 ECUM1H472KBN	C. CAPACITOR BH 50V 0.01U C. CAPACITOR CH 50V 0.22U E. CAPACITOR 18V 33U E. CAPACITOR 25V 3.3U C. CAPACITOR CH 50V 4700P	2 1 1	(RTL)					(RTL)
G4801, 02 C4803, 04 C4805 C4806 C4807 C4808	ECUMIH103ZFN ECUX1H223KBN ECEA1CKA330 ECEA1EKS3R3 ECUM1H472KBN ECEA1AKA330	C. CAPACITOR BH 50V 0.01U C. CAPACITOR CH 50V 0.22U E. CAPACITOR 18V 33U E. CAPACITOR 25V 3.3U C. CAPACITOR CH 50V 4700P E. CAPACITOR 10V 33U	2 1 1 1	(RTL)			LOCKING SPACER		(RYL)
G4801. 02 C4803, 04 C4805 C4806 C4807 C4808 C4809-11	ECUMIH103ZFM ECUX1H223KBM ECEA1CKA330 ECEA1EKS3R3 ECUMIH472KBM ECEA1AKA330 ECUMIH104ZFM	C. CAPACITOR EH 50V 0. 01U C. CAPACITOR CH 50V 0. 22U E. CAPACITOR 18V 33U E. CAPACITOR 25V 3. 3U C. CAPACITOR CH 50V 4700P E. CAPACITOR CH 50V 33U C. CAPACITOR CH 50V 0. 1U	2 1 1 1 1 3	(RTL)			LOCKING SPACER		(RTL)
G4801. 02 C4803, 04 C4805 C4806 C4807 C4808 C4809-11	ECUMIH103ZFM ECUX1H223KBM ECEA1CKA330 ECEA1EKS3R3 ECUMIH472KBM ECEA1AKA330 ECUMIH104ZFM	C. CAPACITOR BH 50V 0.01U C. CAPACITOR CH 50V 0.22U E. CAPACITOR 18V 33U E. CAPACITOR 25V 3.3U C. CAPACITOR CH 50V 4700P E. CAPACITOR 10V 33U	2 1 1 1 1 3			VEP07985A	LOCKING SPACER		
C4801, 02 C4803, 04 C4805 C4806 C4807 C4808 C4809-11 C4812	ECUMIHIO3ZFN ECUXIH223KBN ECEAICKA330 ECEAIEKS3R3 ECUMIHI04ZFN ECUMIHI04ZFN ECUMIHI04ZFN ECUMIHI03ZFN	C. CAPACITOR EH 50V 0. 01U C. CAPACITOR CH 50V 0. 22U E. CAPACITOR 18V 33U E. CAPACITOR 25V 3. 3U C. CAPACITOR CH 50V 4700P E. CAPACITOR 10V 33U C. CAPACITOR CH 50V 0. 1U C. CAPACITOR CH 50V 0. 01U	2 2 1 1 1 1 3		D7751	VEP07985A	LOCKING SPACER FRONT LED C. B. A. DIODE	1	
C4801, 02 C4803, 04 C4805 C4806 C4807 C4808 C4809-11 C4812 C4813	ECUMI H 1 03ZFN ECUX I H 223KBN ECEA 1 CKA330 ECEA 1 EKS3R3 ECUMI H 4 7ZKBN ECEA 1 AKA330 ECUMI H 1 04ZFN ECUMI H 1 04ZFN ECUMI H 1 04ZFN ECUMI H 1 04ZFN	C. CAPACITOR EH 50V 0.01U C. CAPACITOR CH 50V 0.22U E. CAPACITOR 18V 33U E. CAPACITOR 25V 3.3U C. CAPACITOR CH 50V 4700P C. CAPACITOR CH 50V 0.1U C. CAPACITOR CH 50V 0.1U C. CAPACITOR CH 50V 0.1U C. CAPACITOR CH 50V 0.1U	2 2 1 1 1 1 3 1 1 1		07751 07752, 53	VEP07985A LN01301C LN01801C	LOCKING SPACER FRONT LED C. B. A. DIODE DIODE	1 1 2	
C4801. 02 C4803, 04 C4805 C4806 C4807 C4808 C4809-11 C4812 C4813 C4814, 15	ECUMI H 1 03ZFN ECUX I H 223KBN ECEA 1 CKA330 ECEA 1 EKS3R3 ECUMI H 4 7ZKBN ECEA 1 AKA330 ECUMI H 1 04ZFN ECUMI H 1 04ZFN ECUMI H 1 04ZFN ECUMI H 1 04ZFN ECUMI H 1 04ZFN	C. CAPACITOR BH 50V 0.01U C. CAPACITOR CH 50V 0.22U E. CAPACITOR 18V 33U E. CAPACITOR CH 50V 4700P C. CAPACITOR CH 50V 33U C. CAPACITOR CH 50V 0.1U C. CAPACITOR CH 50V 0.01U C. CAPACITOR CH 50V 0.1U	2 2 1 1 1 1 3 1 1 2		07751 07752, 53	VEP07985A LN01301C LN01801C	LOCKING SPACER FRONT LED C. B. A. DIODE	1	
C4801. 02 C4803, 04 C4805 C4806 C4807 C4808 C4809-11 C4812 C4813 C4814, 15	ECUMI H 1 03ZFN ECUX I H 223KBN ECEA 1 CKA330 ECEA 1 EKS3R3 ECUMI H 4 7ZKBN ECEA 1 AKA330 ECUMI H 1 04ZFN ECUMI H 1 04ZFN ECUMI H 1 04ZFN ECUMI H 1 04ZFN ECUMI H 1 04ZFN	C. CAPACITOR EH 50V 0.01U C. CAPACITOR CH 50V 0.22U E. CAPACITOR 18V 33U E. CAPACITOR 25V 3.3U C. CAPACITOR CH 50V 4700P C. CAPACITOR CH 50V 0.1U C. CAPACITOR CH 50V 0.1U C. CAPACITOR CH 50V 0.1U C. CAPACITOR CH 50V 0.1U	2 2 1 1 1 1 3 1 1 2		D7751 D7752, 53 D7754	VEP07985A LN01301C LN01301C LN01301C	FRONT LED C. B. A. DIODE DIODE	1 2 1	
C4801. 02 C4803, 04 C4805 C4806 C4807 C4808 C4809-11 C4812 C4813 C4814, 15 C4816	ECUMINIOSZEM ECUX 1H223KBM ECEA 1 CKA330 ECEA 1 EKS3R3 ECUMINIO 472KBM ECUMINIO 42FM ECUMINIO 42FM ECUMINIO 42FM ECUMINIO 42FM ECUMINIO 42FM ECUMINIO 42FM	C. CAPACITOR BH 50V 0.01U C. CAPACITOR CH 50V 0.22U E. CAPACITOR 18V 33U E. CAPACITOR 25V 3.3U C. CAPACITOR 10V 33U C. CAPACITOR 10V 33U C. CAPACITOR CH 50V 0.1U	2 2 1 1 1 1 3 1 1 2 1		D7751 D7752, 53 D7754	VEP07985A LN01301C LN01301C LN01301C VJP1244T	LOCKING SPACER FRONT LED C. B. A. DIODE DIODE DIODE CONNECTOR (MALE) 4P	1 2 1	
C4801. 02 C4803. 04 C4805 C4806 C4807 C4808 C4809-11 C4812 C4813 C4814. 15 C4816	ECUMINIOSZEM ECUX 1H223KBM ECEA 1 CKA330 ECEA 1 EKS3R3 ECUMINIO 472KBM ECUMINIO 42FM ECUMINIOSZEM ECUMINIOSZEM ECUMINIOSZEM ECUMINIOSZEM ECUMINIOSZEM ECUMINIOSZEM ECUMINIOSZEM ECUMINIOSZEM	C. CAPACITOR BH 50V 0.01U C. CAPACITOR CH 50V 0.22U E. CAPACITOR 18V 33U E. CAPACITOR CH 50V 4700P C. CAPACITOR CH 50V 33U C. CAPACITOR CH 50V 0.1U C. CAPACITOR CH 50V 0.01U C. CAPACITOR CH 50V 0.1U	2 2 1 1 1 1 3 1 1 2		D7751 D7752, 53 D7754	VEP07985A LN01301C LN01301C LN01301C VJP1244T	FRONT LED C. B. A. DIODE DIODE	1 2 1	
C4801. 02 C4803, 04 C4805 C4806 C4807 C4808 C4809-11 C4812 C4813 C4814, 15 C4816	ECUMINIOSZEM ECUX 1H223KBM ECEA 1 CKA330 ECEA 1 EKS3R3 ECUMINIO 472KBM ECUMINIO 42FM ECUMINIOSZEM ECUMINIOSZEM ECUMINIOSZEM ECUMINIOSZEM ECUMINIOSZEM ECUMINIOSZEM ECUMINIOSZEM ECUMINIOSZEM	C. CAPACITOR BH 50V 0.01U C. CAPACITOR CH 50V 0.22U E. CAPACITOR 18V 33U E. CAPACITOR 25V 3.3U C. CAPACITOR 10V 33U C. CAPACITOR 10V 33U C. CAPACITOR CH 50V 0.1U	2 2 1 1 1 1 3 1 1 2 1		D7751 D7752, 53 D7754	VEP07985A LN01301C LN01301C LN01301C VJP1244T	LOCKING SPACER FRONT LED C. B. A. DIODE DIODE DIODE CONNECTOR (MALE) 4P	1 2 1	
C4801, 02 C4803, 04 C4805 C4806 C4807 C4808 C4809-11 C4812 C4813 C4814, 15 C4816	ECUMINIOSZEM ECUX 1H223KBM ECEA 1 CKA330 ECEA 1 EKS3R3 ECUMINIO 472KBM ECUMINIO 42FM ECUMINIOSZEM ECUMINIOSZEM ECUMINIOSZEM ECUMINIOSZEM ECUMINIOSZEM ECUMINIOSZEM ECUMINIOSZEM ECUMINIOSZEM	C. CAPACITOR BH 50V 0.01U C. CAPACITOR CH 50V 0.22U E. CAPACITOR 18V 33U E. CAPACITOR 25V 3.3U C. CAPACITOR 10V 33U C. CAPACITOR 10V 33U C. CAPACITOR CH 50V 0.1U	2 2 1 1 1 1 3 1 1 2 1		D7751 D7752, 53 D7754	VEP07985A LN01301C LN01301C LN01301C VJP1244T	LOCKING SPACER FRONT LED C. B. A. DIODE DIODE DIODE CONNECTOR (MALE) 4P	1 2 1	
C4801. 02 C4803. 04 C4805 C4806 C4807 C4808 C4809-11 C4812 C4813 C4814. 15 C4816	ECUMIHIO3ZFN ECUX1H23GBN ECEA1CKA330 ECUMIHA7ZKSN ECEA1AKA330 ECUMIHIO4ZFN ECUMIHIO4ZFN ECUMIHIO4ZFN ECUMIHIO3ZFN ECUMIHIO4ZFN ECUMIHIO4ZFN ECUMIHIO4ZFN ECUMIHIO4ZFN	C. CAPACITOR EH 50V 0.01U C. CAPACITOR CH 50V 0.22U E. CAPACITOR 18V 33U E. CAPACITOR 25V 3.3U C. CAPACITOR CH 50V 4700P E. CAPACITOR CH 50V 0.1U C. CAPACITOR CH 50V 0.01U C. CAPACITOR CH 50V 0.01U C. CAPACITOR CH 50V 0.01U C. CAPACITOR CH 50V 0.1U D. CAPACITOR CH 50V 0.1U	2 1 1 1 1 3 1 1 2		D7751 D7752, 53 D7754	VEP07985A LN01301C LN01301C LN01301C VJP1244T	LOCKING SPACER FRONT LED C. B. A. DIODE DIODE DIODE CONNECTOR (MALE) 4P	1 2 1	
C4801. 02 C4803. 04 C4805 C4805 C4807 C4808 C4809-11 C4812 C4813 C4814, 15 C4816 D4801	ECUMI H 1 03ZFN ECUX I H 223KBN ECEA 1 CKA330 ECUMI H 4 72KBN ECEA 1 AKA330 ECUMI H 1 04ZFN ECUMI H 1 04ZFN ECUMI H 1 04ZFN ECUMI H 1 04ZFN ECUMI H 1 04ZFN ECUMI H 1 04ZFN LN476YQPX4 VOR01 72	C. CAPACITOR BH 50V 0. 01U C. CAPACITOR CH 50V 0. 22U E. CAPACITOR 18V 33U E. CAPACITOR 25V 3. 3. 3U C. CAPACITOR 10V 33U C. CAPACITOR 10V 33U C. CAPACITOR CH 50V 0. 1U C. CAPACITOR CH 50V 0. 01U C. CAPACITOR CH 50V 0. 01U C. CAPACITOR CH 50V 0. 01U C. CAPACITOR CH 50V 0. 11U D. CAPACITOR CH 50V 0. 11U	2 2 1 1 1 1 2 1		D7751 D7752, 53 D7754	VEP07985A LN01301C LN01301C LN01301C VJP1244T	LOCKING SPACER FRONT LED C. B. A. DIODE DIODE DIODE CONNECTOR (MALE) 4P	1 2 1	
C4801. 02 C4803. 04 C4805 C4805 C4807 C4808 C4809-11 C4812 C4813 C4814, 15 C4816 D4801	ECUMINIOSZEM ECUXINIZSKEM ECEA1 CKAS30 ECEA1 EKS3R3 ECUMINIOSZEM ECUMINIOSZEM ECUMINIOSZEM ECUMINIOSZEM ECUMINIOSZEM ECUMINIOSZEM ECUMINIOSZEM ECUMINIOSZEM ECUMINIOSZEM ECUMINIOSZEM ECUMINIOSZEM ECUMINIOSZEM ECUMINIOSZEM	C. CAPACITOR EH 50V 0.01U C. CAPACITOR CH 50V 0.22U E. CAPACITOR 18V 33U E. CAPACITOR 25V 3.3U C. CAPACITOR CH 50V 4700P E. CAPACITOR CH 50V 0.1U C. CAPACITOR CH 50V 0.01U C. CAPACITOR CH 50V 0.01U C. CAPACITOR CH 50V 0.01U C. CAPACITOR CH 50V 0.1U D. CAPACITOR CH 50V 0.1U	2 1 1 1 1 3 1 1 2		D7751 D7752, 53 D7754	VEP07985A LN01301C LN01301C LN01301C VJP1244T	LOCKING SPACER FRONT LED C. B. A. DIODE DIODE DIODE CONNECTOR (MALE) 4P	1 2 1	
C4801. 02 C4803. 04 C4805 C4806 C4807 C4808 C4809-11 C4812 C4813 C4814. 15 C4816 D4801	ECUMI H 103ZFN ECUX I H 223KBN ECEA 1 CKA330 ECUA 1 EKS3R3 ECUMI H 104ZFN ECUMI H 104ZFN ECUMI H 104ZFN ECUMI H 104ZFN ECUMI H 104ZFN ECUMI H 104ZFN ECUMI H 104ZFN ECUMI H 104ZFN ECUMI H 104ZFN ECUMI H 104ZFN UNTERNITOR	C. CAPACITOR EH 50V 0.01U C. CAPACITOR CH 50V 0.22U E. CAPACITOR 18V 33U E. CAPACITOR 25V 3. 3U C. CAPACITOR 10V 33U C. CAPACITOR 10V 33U C. CAPACITOR CH 50V 0.1U DIODE IC FRONT (R) CABLE	2 2 1 1 1 1 3 1 1 2 1		D7751 D7752, 53 D7754 P7751 P7752	VEP07985A LN01301C LN01801C LN01301C VJP1244T VJS3537B0096	FRONT LED C. B. A. DIODE DIODE DIODE CONNECTOR (MALE) GONNECTOR (FEMALE)	1 1 1 1 1	
C4801. 02 C4803, 04 C4805 C4806 C4806 C4808 C4809-11 C4812 C4813 C4814. 15 C4816 D4801 JA1 JK4801	ECUMI H 1 0 3 Z F N ECUX I H 2 2 3 K B N ECEA 1 CKA330 ECEA 1 EKS3R3 ECUMI H 4 7 2 K B N ECUMI H 1 0 4 2 F N ECUMI H 1 0 4 Z F	C. CAPACITOR BH 50V 0.01U C. CAPACITOR CH 50V 0.22U E. CAPACITOR 18V 33U E. CAPACITOR 25V 3.3U E. CAPACITOR 10V 33U C. CAPACITOR 10V 33U C. CAPACITOR 650V 0.1U C. CAPACITOR CH 50V 0.01U C. CAPACITOR CH 50V 0.1U C. CAPACITOR CH 50V 0.1U D. CAPACITOR CH 50V 0.1U C. CAPACIT	2 2 1 1 1 1 2 1		D7751 D7752, 53 D7754 P7751 P7752	VEP07985A LN01301C LN01801C LN01301C VJP1244T VJS3537B0096	LOCKING SPACER FRONT LED C. B. A. DIODE DIODE DIODE CONNECTOR (MALE) 4P	1 1 1 1 1	
C4801. 02 C4803, 04 C4805 C4806 C4806 C4807 C4808 C4809-11 C4812 C4813 C4814. 15 C4816 D4801 JA1 JK4801	ECUMI H 1 0 3 Z F N ECUX I H 2 2 3 K B N ECEA 1 CKA330 ECEA 1 EKS3R3 ECUMI H 4 7 2 K B N ECUMI H 1 0 4 2 F N ECUMI H 1 0 4 Z F	C. CAPACITOR EH 50V 0.01U C. CAPACITOR CH 50V 0.22U E. CAPACITOR 18V 33U E. CAPACITOR 25V 3. 3U C. CAPACITOR 10V 33U C. CAPACITOR 10V 33U C. CAPACITOR CH 50V 0.1U DIODE IC FRONT (R) CABLE	2 2 1 1 1 1 3 1 1 2 1		D7751 D7752, 53 D7754 P7751 P7752	VEP07985A LN01301C LN01801C LN01301C VJP1244T VJS3537B0096	FRONT LED C. B. A. DIODE DIODE DIODE CONNECTOR (MALE) GONNECTOR (FEMALE)	1 1 1 1 1	
C4801. 02 C4803, 04 C4805 C4806 C4806 C4808 C4809-11 C4812 C4813 C4814. 15 C4816 D4801 JA1 JK4801	ECUMI H 1 0 3 Z F N ECUX I H 2 2 3 K B N ECEA 1 CKA330 ECEA 1 EKS3R3 ECUMI H 4 7 2 K B N ECUMI H 1 0 4 2 F N ECUMI H 1 0 4 Z F	C. CAPACITOR BH 50V 0.01U C. CAPACITOR CH 50V 0.22U E. CAPACITOR 18V 33U E. CAPACITOR 25V 3.3U E. CAPACITOR 10V 33U C. CAPACITOR 10V 33U C. CAPACITOR 650V 0.1U C. CAPACITOR CH 50V 0.01U C. CAPACITOR CH 50V 0.1U C. CAPACITOR CH 50V 0.1U D. CAPACITOR CH 50V 0.1U C. CAPACIT	2 2 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1		D7751 D7752, 53 D7754 P7751 P7752	VEP07985A LN01301C LN01801C LN01301C VJP1244T VJS3537B0096	FRONT LED C. B. A. DIODE DIODE DIODE CONNECTOR (MALE) GONNECTOR (FEMALE)	1 1 1 1 1	
C4801. 02 C4803. 04 C4805 C4806 C4807 C4808 C4809-11 C4812 C4813 C4814. 15 C4816 D4801 JA1 JK4801 JK4801 JK4802	ECUMIH103ZFN ECUX1H23KBN ECEA1CKA330 ECUMIH47ZKBN ECEA1AKA330 ECUMIH104ZFN ECUMIH104ZFN ECUMIH104ZFN ECUMIH104ZFN ECUMIH104ZFN ECUMIH104ZFN VOR0172 VEE0E94 VJJ0264 VJJ0263	C. CAPACITOR EH 50V 0.01U C. CAPACITOR CH 50V 0.22U E. CAPACITOR 18V 33U E. CAPACITOR 25V 3.3U C. CAPACITOR CH 50V 4700P E. CAPACITOR CH 50V 0.1U C. CAPACITOR CH 50V 0.01U C. CAPACITOR CH 50V 0.01U C. CAPACITOR CH 50V 0.01U C. CAPACITOR CH 50V 0.1U DIODE TO FRONT (R) CABLE HEADPHONE JACK MIC JACK MIC JACK	2 2 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1		07751 07752,53 07754 P7751 P7752	VEP07985A LN01301C LN01301C LN01301C VJP1244T VJS3537B0096 ,	LOCKING SPACER FRONT LED C. B. A. DIODE DIODE DIODE CONNECTOR (MALE) 4P CONNECTOR (FEMALE)	1 1 1 1 1 1	(RTL)
C4801. 02 C4803. 04 C4805 C4806 C4807 C4808 C4809-11 C4812 C4813 C4814. 15 C4816 D4801 JA1 JK4801 JK4801 JK4802 L4801. 02	ECUMI H103ZFN ECUX1 H223KBN ECEA1 CKA330 ECUMI H47ZKBN ECEA1 AKA330 ECUMI H104ZFN ECUMI H103ZFN ECUMI H103ZFN ECUMI H104ZFN ECUMI H103ZFN VOR0172 VEE0E94 VJJ0283 VL00599J221	C. CAPACITOR EH 50V 0. 01U C. CAPACITOR CH 50V 0. 22U E. CAPACITOR 18V 33U E. CAPACITOR 25V 3. 3U C. CAPACITOR 10V 33U C. CAPACITOR 10V 33U C. CAPACITOR CH 50V 0. 1U C. CAPACITOR CH 50V 0. 01U C. CAPACITOR CH 50V 0. 01U C. CAPACITOR CH 50V 0. 1U DI ODE 1C FRONT (R) CABLE HEADPHONE JACK MIC JACK COIL 220UH	2 2 1 1 1 1 1 2 1 1 1 1 1 1 1 1 2 2		07751 07752,53 07754 P7751 P7752	VEP07985A LN01301C LN01301C LN01301C VJP1244T VJS3537B0096 (FRONT LED C. B. A. DIODE DIODE DIODE CONNECTOR (MALE) GONNECTOR (FEMALE)	1 1 1 1 1	(RTL)
C4801. 02 C4803. 04 C4805 C4806 C4807 C4808 C4809-11 C4812 C4813 C4814. 15 C4816 D4801 JA1 JK4801 JK4801 JK4802 L4801. 02	ECUMI H103ZFN ECUX1 H223KBN ECEA1 CKA330 ECUMI H47ZKBN ECEA1 AKA330 ECUMI H104ZFN ECUMI H103ZFN ECUMI H103ZFN ECUMI H104ZFN ECUMI H103ZFN VOR0172 VEE0E94 VJJ0283 VL00599J221	C. CAPACITOR EH 50V 0.01U C. CAPACITOR CH 50V 0.22U E. CAPACITOR 18V 33U E. CAPACITOR 25V 3.3U C. CAPACITOR CH 50V 4700P E. CAPACITOR CH 50V 0.1U C. CAPACITOR CH 50V 0.01U C. CAPACITOR CH 50V 0.01U C. CAPACITOR CH 50V 0.01U C. CAPACITOR CH 50V 0.1U DIODE TO FRONT (R) CABLE HEADPHONE JACK MIC JACK MIC JACK	2 2 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1		D7751 D7752, 53 D7754 P7751 P7752	VEP07985A LN01301C LN01801C LN01301C VJP1244T VJS353780096 VJP07968B	LOCKING SPACER FRONT LED C, B, A. DIODE DIODE CONNECTOR (MALE) 4P CONNECTOR (FEMALE) LR C, B, A. C GAPACITOR 50V 0.01U	1 1 1 1 2 2	(RTL)
C4801. 02 C4803. 04 C4805 C4806 C4807 C4808 C4809-11 C4812 C4813 C4814.15 C4816 D4801 JA1 JK4801 JK4801 JK4802 L4803. 04	ECUMINIOSZFN ECUXINIZSKIN ECEA1 CKAS30 ECUMINIOSZFN ECUMINIOSZFN ECUMINIOSZFN ECUMINIOSZFN ECUMINIOSZFN ECUMINIOSZFN ECUMINIOSZFN ECUMINIOSZFN ECUMINIOSZFN ECUMINIOSZFN ECUMINIOSZFN LN476YQPX4 VCR0172 VEE0E94 VJJ0263 VL00599J211 VL00599J471	C. CAPACITOR BH 50V 0. 01U C. CAPACITOR CH 50V 0. 22U E. CAPACITOR 18V 33U E. CAPACITOR 15V 4700P E. CAPACITOR 10V 33U C. CAPACITOR 10V 33U C. CAPACITOR CH 50V 0. 1U DI 00E TO FRONT (R) CABLE HEADPHONE JACK MIC JACK COIL 220UH COIL 470UH	2 2 1 1 1 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1		07751 07752,53 07754 P7751 P7752	VEP07985A LN01301C LN01801C LN01301C VJP1244T VJS353780096 VJP07968B	LOCKING SPACER FRONT LED C. B. A. DIODE DIODE DIODE CONNECTOR (MALE) 4P CONNECTOR (FEMALE)	1 1 1 1 1 1	(RTL)
C4801. 02 C4803. 04 C4805 C4806 C4807 C4808 C4809-11 C4812 C4813 C4814.15 C4816 D4801 JA1 JK4801 JK4801 JK4802 L4803. 04	ECUMINIOSZFN ECUXINIZSKIN ECEA1 CKAS30 ECUMINIOSZFN ECUMINIOSZFN ECUMINIOSZFN ECUMINIOSZFN ECUMINIOSZFN ECUMINIOSZFN ECUMINIOSZFN ECUMINIOSZFN ECUMINIOSZFN ECUMINIOSZFN ECUMINIOSZFN ECUMINIOSZFN ECUMINIOSZFN VCR0172 VEE0E94 VJJ0263 VL00599J471	C. CAPACITOR EH 50V 0. 01U C. CAPACITOR CH 50V 0. 22U E. CAPACITOR 18V 33U E. CAPACITOR 25V 3. 3U C. CAPACITOR 10V 33U C. CAPACITOR 10V 33U C. CAPACITOR CH 50V 0. 1U C. CAPACITOR CH 50V 0. 01U C. CAPACITOR CH 50V 0. 01U C. CAPACITOR CH 50V 0. 1U DI ODE 1C FRONT (R) CABLE HEADPHONE JACK MIC JACK COIL 220UH	2 2 1 1 1 1 1 2 1 1 1 1 1 1 1 1 2 2		D7751 D7752, 53 D7754 P7751 P7752	VEP07985A LN01301C LN01801C LN01301C VJP1244T VJS353780096 VJP07968B	LOCKING SPACER FRONT LED C, B, A. DIODE DIODE CONNECTOR (MALE) 4P CONNECTOR (FEMALE) LR C, B, A. C GAPACITOR 50V 0.01U	1 1 1 1 2 2	(RTL)
C4801. 02 C4803. 04 C4805 C4806 C4807 C4808 C4809-11 C4812 C4813 C4814.15 C4816 D4801 JA1 JK4801 JK4801 JK4802 L4803. 04	ECUMINIOSZFN ECUXINIZSKIN ECEA1 CKAS30 ECUMINIOSZFN ECUMINIOSZFN ECUMINIOSZFN ECUMINIOSZFN ECUMINIOSZFN ECUMINIOSZFN ECUMINIOSZFN ECUMINIOSZFN ECUMINIOSZFN ECUMINIOSZFN ECUMINIOSZFN LN476YQPX4 VCR0172 VEE0E94 VJJ0263 VL00599J211 VL00599J471	C. CAPACITOR BH 50V 0. 01U C. CAPACITOR CH 50V 0. 22U E. CAPACITOR 18V 33U E. CAPACITOR 15V 4700P E. CAPACITOR 10V 33U C. CAPACITOR 10V 33U C. CAPACITOR CH 50V 0. 1U DI 00E TO FRONT (R) CABLE HEADPHONE JACK MIC JACK COIL 220UH COIL 470UH	2 2 1 1 1 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1		D7751 D7752, 53 D7754 P7751 P7752 C7701, 02 D7701, 02	VEP07985A LN01301C LN01801C LN01301C VJP1244T VJS3537B0096 VEP07968B ECK/F1H1032F	LOCKING SPACER FRONT LED C, B, A. DIODE DIODE CONNECTOR (MALE) 4P CONNECTOR (FEMALE) LR C, B, A. C GAPACITOR 50V 0.01U	1 1 1 1 2 2	(RTL)
C4801. 02 C4803. 04 C4805 C4806 C4807 C4808 C4809-11 C4812 C4813 C4814. 15 C4816 D4801 JA1 JK4801 JK4801 JK4802 L4801. 02 L4803. 04 LB4801	ECUMIH103ZFN ECUX1H223KBN ECEA1CKA330 ECEA1EKS3R3 ECUMIH47ZKBN ECEA1AKA330 ECUMIH104ZFN ECUMIH103ZFN ECUMIH103ZFN ECUMIH103ZFN LM476YCPX4 VOR0172 VEE0E94 VJJ0263 VL00599J221 VL00599J471	C. CAPACITOR BH 50V 0. 01U C. CAPACITOR CH 50V 0. 22U E. CAPACITOR 18V 33U E. CAPACITOR 15V 4700P E. CAPACITOR 10V 33U C. CAPACITOR 10V 33U C. CAPACITOR CH 50V 0. 1U DI 00E TO FRONT (R) CABLE HEADPHONE JACK MIC JACK COIL 220UH COIL 470UH	2 2 1 1 1 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1		D7751 D7752, 53 D7754 P7751 P7752 C7701, 02 D7701, 02	VEP07985A LN01301C LN01801C LN01301C VJP1244T VJS3537B0096 VEP07968B ECK/F1H1032F	FRONT LED C. B. A. DIODE DIODE DIODE CONNECTOR (MALE) 4P CONNECTOR (FEMALE) IR C. B. A. G. GAPACITOR 50V 0.01U	1 1 1 1 1 2 2 2	(RTL)
C4801. 02 C4803. 04 C4805 C4806 C4807 C4808 C4809-11 C4812 C4813 C4814. 15 C4816 D4801 JA1 JK4801 JK4801 JK4802 L4801. 02 L4803. 04 LB4801	ECUMIH103ZFN ECUX1H223KBN ECEA1CKA330 ECEA1EKS3R3 ECUMIH47ZKBN ECEA1AKA330 ECUMIH104ZFN ECUMIH103ZFN ECUMIH103ZFN ECUMIH103ZFN LM476YCPX4 VOR0172 VEE0E94 VJJ0263 VL00599J221 VL00599J471	C. CAPACITOR EH 50V 0.01U C. CAPACITOR CH 50V 0.22U E. CAPACITOR 18V 33U E. CAPACITOR 18V 33U C. CAPACITOR 10V 33U C. CAPACITOR 10V 33U C. CAPACITOR 10V 0.1U C. CAPACITOR CH 50V 0.1U DIODE 10 FRONT (R) CABLE HEADPHONE JACK MIC JACK COIL 220UH COIL 470UH COIL	2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		D7751 D7752, 53 D7754 P7751 P7752 C7701, 02 D7701, 02 LB7701	VEP07985A LN01301C LN01301C LN01301C VJP1244T VJS3537B0096 VEP07968B ECKF1H1032F MA4056-H VLP0196	LOCKING SPACER FRONT LED C. B. A. DIODE DIODE DIODE CONNECTOR (MALE) 4P CONNECTOR (FEMALE) IR C. B. A. G. CAPACITOR 50V C. 01U DIODE GOIL	1 1 1 1 1 2 2 2	(RTL)
C4801. 02 C4803. 04 C4805 C4806 C4807 C4808 C4809-11 C4812 C4813 C4814. 15 C4816 D4801 JA1 JK4801 JK4801 JK4802 L4801. 02 L4803. 04 LB4801 P4801	ECUMIH103ZFN ECUX1H23KBN ECEA1CKA330 ECUMIH47ZKBN ECEA1AKA330 ECUMIH104ZFN ECUMIH104ZFN ECUMIH104ZFN ECUMIH104ZFN ECUMIH104ZFN ECUMIH104ZFN VOR0172 VEE0E94 VJJ0263 VL00599J221 VL00599J271 VLP0145 VJS3537B020G	C. CAPACITOR EH 50V 0. 01U C. CAPACITOR CH 50V 0. 22U E. CAPACITOR 18V 33U E. CAPACITOR 25V 3. 3U C. CAPACITOR CH 50V 4700P E. CAPACITOR CH 50V 0. 1U C. CAPACITOR CH 50V 0. 1U DIODE 1C FRONT (R) CABLE HEADPHONE JACK MIC JACK COIL 220UH COIL CONNECTOR (FEMALE)	2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		D7751 D7752, 53 D7754 P7751 P7752 C7701, 02 D7701, 02 LB7701	VEP07985A LN01301C LN01301C LN01301C VJP1244T VJS353780096 VEP07968B ECKF1H1032F MA4058-H VLP0196	LOCKING SPACER FRONT LED C. B. A. DIODE DIODE DIODE CONNECTOR (MALE) 4P CONNECTOR (FEMALE) IR C. B. A. G. CAPACITOR 50V O. 01U DIODE CONNECTOR	1 1 1 1 1 2 2 2	(RTL)
C4801. 02 C4803. 04 C4805 C4806 C4807 C4808 C4809-11 C4812 C4813 C4814. 15 C4816 D4801 JA1 JK4801 JK4801 JK4802 L4801. 02 L4803. 04 LB4801 P4801	ECUMIH103ZFN ECUX1H23KBN ECEA1CKA330 ECUMIH47ZKBN ECEA1AKA330 ECUMIH104ZFN ECUMIH104ZFN ECUMIH104ZFN ECUMIH104ZFN ECUMIH104ZFN ECUMIH104ZFN VOR0172 VEE0E94 VJJ0263 VL00599J221 VL00599J271 VLP0145 VJS3537B020G	C. CAPACITOR EH 50V 0.01U C. CAPACITOR CH 50V 0.22U E. CAPACITOR 18V 33U E. CAPACITOR 18V 33U C. CAPACITOR 10V 33U C. CAPACITOR 10V 33U C. CAPACITOR 10V 0.1U C. CAPACITOR CH 50V 0.1U DIODE 10 FRONT (R) CABLE HEADPHONE JACK MIC JACK COIL 220UH COIL 470UH COIL	2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		D7751 D7752, 53 D7754 P7751 P7752 C7701, 02 D7701, 02 LB7701	VEP07985A LN01301C LN01301C LN01301C VJP1244T VJS353780096 VEP07968B ECKF1H1032F MA4058-H VLP0196	LOCKING SPACER FRONT LED C. B. A. DIODE DIODE DIODE CONNECTOR (MALE) 4P CONNECTOR (FEMALE) IR C. B. A. G. CAPACITOR 50V C. 01U DIODE GOIL	1 1 1 1 1 2 2 2	(RTL)
G4801. 02 C4803. 04 C4805 C4806 C4807 C4808 C4809-11 C4812 C4813 C4814. 15 C4816 D4801 JA1 JK4801 JK4801 JK4802 L4803. 04 LB4801 P4801 P4801	ECUMIH103ZFN ECUX1H223KBN ECEA1CKA330 ECUMIH47ZKBN ECEA1AKA330 ECUMIH104ZFN ECUMIH104ZFN ECUMIH104ZFN ECUMIH104ZFN ECUMIH104ZFN ECUMIH104ZFN LN476YCPX4 VOR0172 VEE0E94 VJJ0283 VL00599J221 VL00599J271 VLP0145 VJS3537B020G	C. CAPACITOR EH 50V 0. 01U C. CAPACITOR CH 50V 0. 22U E. CAPACITOR 18V 33U E. CAPACITOR 25V 3. 3U C. CAPACITOR 10V 33U C. CAPACITOR 10V 33U C. CAPACITOR CH 50V 0. 1U DIODE 10 FRONT (R) CABLE HEADPHONE JACK MIC JACK COIL 220UH COIL 470UH COMNECTOR (FEMALE) TRANSISTOR-RESISTOR	2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		D7751 D7752, 53 D7754 P7751 P7752 C7701, 02 D7701, 02 LB7701	VEP07985A LN01301C LN01801C LN01301C VJP1244T VJS353780096 VSS53780096 VEP07988B ECKF1H1032F MA4058-H VLP0196 VJR1044 VJS1231T	LOCKING SPACER FRONT LED C. B. A. DIODE DIODE CONNECTOR (MALE) 4P CONNECTOR (FEMALE) IR C. B. A. G. GAPACITOR 50V O. 01U DIODE CONNECTOR (FEMALE)	1 1 1 1 1 2 2 2	(RTL)
G4801. 02 C4803. 04 C4805 C4806 C4807 C4808 C4809-11 C4812 C4813 C4814. 15 C4816 D4801 JA1 JK4801 JK4801 JK4802 L4803. 04 LB4801 P4801	ECUMIH103ZFN ECUX1H223KBN ECEA1CKA330 ECUMIH47ZKBN ECEA1AKA330 ECUMIH104ZFN ECUMIH104ZFN ECUMIH104ZFN ECUMIH104ZFN ECUMIH104ZFN ECUMIH104ZFN LN476YCPX4 VOR0172 VEE0E94 VJJ0283 VL00599J221 VL00599J271 VLP0145 VJS3537B020G	C. CAPACITOR EH 50V 0. 01U C. CAPACITOR CH 50V 0. 22U E. CAPACITOR 18V 33U E. CAPACITOR 25V 3. 3U C. CAPACITOR CH 50V 4700P E. CAPACITOR CH 50V 0. 1U C. CAPACITOR CH 50V 0. 1U DIODE 1C FRONT (R) CABLE HEADPHONE JACK MIC JACK COIL 220UH COIL CONNECTOR (FEMALE)	2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		D7751 D7752, 53 D7754 P7751 P7752 C7701, 02 D7701, 02 LB7701	VEP07985A LN01301C LN01801C LN01301C VJP1244T VJS353780096 VSS53780096 VEP07988B ECKF1H1032F MA4058-H VLP0196 VJR1044 VJS1231T	LOCKING SPACER FRONT LED C. B. A. DIODE DIODE DIODE CONNECTOR (MALE) 4P CONNECTOR (FEMALE) IR C. B. A. G. CAPACITOR 50V O. 01U DIODE CONNECTOR	1 1 1 1 1 2 2 2	(RTL)
C4801. 02 C4803. 04 C4805 C4806 C4807 C4808 C4809-11 C4812 C4813 C4814. 15 C4816 D4801 JA1 JK4801 JK4801 JK4802 L4801. 02 L4803. 04 LB4801 P4801 GR4801 R4801 R4801	ECUMI H103ZFN ECUX1H23KBN ECEA1CKA330 ECEA1CKA330 ECUMI H104ZFN ECUMI H104ZFN ECUMI H104ZFN ECUMI H104ZFN ECUMI H104ZFN ECUMI H104ZFN ECUMI H104ZFN ECUMI H104ZFN ECUMI H104ZFN UNCO172 VEE0E94 VJJ0263 VL00599J211 VL00599J471 VLP0145 VJS3537B020G UN211F ERJ6GEYF472	C. CAPACITOR EH 50V 0. 01U C. CAPACITOR CH 50V 0. 22U E. CAPACITOR 18V 33U E. CAPACITOR 25V 3. 3U C. CAPACITOR 10V 33U C. CAPACITOR 10V 33U C. CAPACITOR CH 50V 0. 1U DI ODE 1C FRONT (R) CABLE HEADPHONE JACK MIC JACK COIL 220UH COIL 470UH COMNECTOR (FEMALE) TRANSISTOR-RESISTOR M. RESISTOR CH 1/10W 4. 7K	2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		D7751 D7752, 53 D7754 P7751 P7752 C7701, 02 D7701, 02 LB7701	VEP07985A LN01301C LN01801C LN01301C VJP1244T VJS353780096 VSS53780096 VEP07988B ECKF1H1032F MA4058-H VLP0196 VJR1044 VJS1231T	LOCKING SPACER FRONT LED C. B. A. DIODE DIODE CONNECTOR (MALE) 4P CONNECTOR (FEMALE) IR C. B. A. G. GAPACITOR 50V O. 01U DIODE CONNECTOR (FEMALE)	1 1 1 1 1 2 2 2	(RTL)
G4801. 02 C4803. 04 C4805 C4806 C4807 C4808 C4809-11 C4812 C4813 C4814.15 C4816 D4801 JA1 JK4801 JK4801 JK4802 L4803. 04 LB4801 C4801 C48001	ECUMINIOSZFN ECUXINIZSKIN ECUXINIZSKIN ECEA1CKAS30 ECUMINITYZKIN ECUMINIOSZFN LNA76YCPX4 VCR0172 VEE0E94 VJJ0263 VL00599J221 VL00599J271 VLP0145 VJS3537BD20G UN211F ERJ66EYF472 ERJ66EYF682	C. CAPACITOR EH 50V 0. 01U C. CAPACITOR CH 50V 0. 22U E. CAPACITOR 18V 33U E. CAPACITOR 15V 4700P E. CAPACITOR 10V 33U C. CAPACITOR 10V 33U C. CAPACITOR 10V 33U C. CAPACITOR CH 50V 0. 1U DI ODE TO TRONT (R) CABLE HEADPHONE JACK MIC JACK COIL 220UH COIL CONNECTOR (FEMALE) TRANSISTOR-RESISTOR M. RESISTOR CH 1/10W 4. 7K M. REISITOR CH 1/10W 4. 7K M. REISITOR CH 1/10W 6. 6K	2 2 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1		D7751 D7752, 53 D7754 P7751 P7752 C7701, 02 U87701, 02 LB7701 P77751	VEP07985A LN01301C LN01801C LN01301C VJP1244T VJS3537B0096 VEP07968B ECKF1H1032F MA4056-H VLP0196 VJR1044 VJS1231T	LOCKING SPACER FRONT LED C, B, A. DIODE DIODE CONNECTOR (MALE) 4P CONNECTOR (FEMALE) IR C, B, A. G GAPACITOR 50V 0.01U DIODE CONNECTOR (FEMALE) MISCELLANEOUS	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(RTL)
C4801. 02 C4803. 04 C4805 C4805 C4806 C4807 C4808 C4809-11 C4812 C4813 C4814. 15 C4816 D4801 JA1 JK4801 JK4801 JK4802 L4803. 04 LB4801 P4801 GR4801 R4801 R4801 R4801	ECUMINIOSZFN ECUXINIZSKIN ECUXINIZSKIN ECEA1CKAS30 ECUMINITYZKIN ECUMINIOSZFN LNA76YCPX4 VCR0172 VEE0E94 VJJ0263 VL00599J221 VL00599J271 VLP0145 VJS3537BD20G UN211F ERJ66EYF472 ERJ66EYF682	C. CAPACITOR EH 50V 0. 01U C. CAPACITOR CH 50V 0. 22U E. CAPACITOR 18V 33U E. CAPACITOR 25V 3. 3U C. CAPACITOR 10V 33U C. CAPACITOR 10V 33U C. CAPACITOR CH 50V 0. 1U DI ODE 10 FRONT (R) CABLE HEADPHONE JACK MIC JACK COIL 220UH COIL COMNECTOR (FEMALE) TRANSISTOR-RESISTOR M. RESISTOR CH 1/10W 4. 7K	2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		D7751 D7752, 53 D7754 P7751 P7752 C7701, 02 U87701, 02 LB7701 P77751	VEP07985A LN01301C LN01801C LN01301C VJP1244T VJS3537B0096 VEP07968B ECKF1H1032F MA4056-H VLP0196 VJR1044 VJS1231T	LOCKING SPACER FRONT LED C. B. A. DIODE DIODE CONNECTOR (MALE) 4P CONNECTOR (FEMALE) IR C. B. A. G. GAPACITOR 50V O. 01U DIODE CONNECTOR (FEMALE)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(RTL)
C4801. 02 C4803. 04 C4805 C4806 C4807 C4808 C4809-11 C4812 C4813 C4814.15 C4816 D4801 JA1 JK4801 JK4801 JK4802 L4801, 02 L4803, 04 LB4801 QR4801 QR4801 R4801 R4801 R4801	ECUMINIOSZFN ECUXINIZSKIN ECUXINIZSKIN ECEA1CKAS30 ECUMINITYZKIN ECUMINIOSZFN LNA76YCPX4 VCR0172 VEE0E94 VJJ0263 VL00599J221 VL00599J271 VLP0145 VJS3537BD20G UN211F ERJ66EYF472 ERJ66EYF682	C. CAPACITOR EH 50V 0. 01U C. CAPACITOR CH 50V 0. 22U E. CAPACITOR 18V 33U E. CAPACITOR 15V 4700P E. CAPACITOR 10V 33U C. CAPACITOR 10V 33U C. CAPACITOR 10V 33U C. CAPACITOR CH 50V 0. 1U DI ODE TO TRONT (R) CABLE HEADPHONE JACK MIC JACK COIL 220UH COIL CONNECTOR (FEMALE) TRANSISTOR-RESISTOR M. RESISTOR CH 1/10W 4. 7K M. REISITOR CH 1/10W 4. 7K M. REISITOR CH 1/10W 6. 6K	2 2 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1		D7751 D7752, 53 D7754 P7751 P7752 C7701, 02 U87701, 02 LB7701 P77751	VEP07985A LN01301C LN01801C LN01301C VJP1244T VJS3537B0096 VEP07968B ECKF1H1032F MA4056-H VLP0196 VJR1044 VJS1231T	LOCKING SPACER FRONT LED C, B, A. DIODE DIODE CONNECTOR (MALE) 4P CONNECTOR (FEMALE) IR C, B, A. G GAPACITOR 50V 0.01U DIODE CONNECTOR (FEMALE) MISCELLANEOUS	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(RTL)

								_	
Ref. No.	Part No.	Part Name & Description	Pre	Remarks	Ref. No.	Part No.	Part Name & Description	Pes	Remarks
RGI. NO.	VEE0E95	CABLE	1	NORGE 110	A F1101		FUSE	1	
	AECOE92	CABLE	·		20.114	,			
					101101	STRM6559LF	10	-	
	_		_		101101			1	
			_		101102	HA17431PA	IC	1	
								_	<u> </u>
					Æ IP1101	VSF0015A10	IC PROTECTER	1	
	VEP03E18A	5P JACK C.B.A.	1	(RTL)					
					⚠ L1101.02	ELJ16D221B	LINE FILTER	2	
					L1107	VLQ0655K220	COIL 22UH	1	
JK3781	VJJ0567	5P SOCKET	1		L1121, 22	VLQ0655K220	COIL 22UH	2	
01.0701	***************************************		Ť				COIL 100UH	2	
20704	VIDIOAAT	CONNECTOR (MALE) 4P	1		61150.21			_	-
P3781	VJP1244T	CONNECTOR (MALE)			LB1103, 04	W DOORY	COIL	2	
			_		LB1105	VLP0085	COIL	1	
			-		LBITGS	VLF0003	0011.	÷	-
								_	
					⚠ P1101	VJS3306	CONNECTOR (FEMALE)	1	
					P1102	VJP1239T	CONNECTOR (MALE)	_1	
	VEP07967A	DV JACK C. B. A.	1	(RTL)	1				
					∆ 01101	P0128FY2	PHOTO COUPLER	1	
			г						
JK7651	VJJ0568	DV JACK	1		R1101	ERC12AGM334	S. RESISTOR 1/2W 330K	1	
UK 1031	1200000	v. when	H.		R1102		M. RESISTOR 1W 39K	1	-
bace.	V ID10467	CONNECTOR (MALE) 6P	1		R1105		C. RESISTOR 1/2W 3. 9M	1	
P7651	VJP1246T	CONNECTOR (MALE) BP	⊢'			-		1	
			\vdash		R1106				-
			<u> </u>		R1107		C. RESISTOR 1/4W 120K	1	
			\vdash		R1108		C. RESISTOR 1/4W 100	1	
			Ľ		R1109		C. RESISTOR 1/4W 1.5K	1	
					R1110	ERD\$2FJ103	C. RESISTOR 1/4W 10K	-1	
	VEP01814A	POWER SUPPLY C. B. A.	1	(RTL)	R1111	ERDS2FJ331	C. RESISTOR 1/4W 330	1	
					R1112	ERDS2FJ471	C. RESISTOR 1/4W 47D	- 1	
	-		\vdash		R1113		M. RESISTOR 1W 0.82	1	
A 73 (04 00	FOURIOUS SOURCE	C. CAPACITOR 1000P	3		R1114		C. RESISTOR 1/4W 2.2K	1	
	ECKMNS102MEF		-3				C. RESISTOR 1/4W 2.7	1	
_	ECKD2H101KB		1		R1115	ERD\$2FJ2R7		-	-
A C1105, 06	ECQU2A154MVA		2		R1116	ER082CKG2701		- 1	
C1107	ECEC26G121HZ	E. CAPACITOR 400V 120U	1		R1117		M. RESISTOR 1/4W 6.2K	_1	
C1108	ECCZ3A121KGE	C. CAPACITOR 1KV 120P	1		R1118	ERD\$2TJ272	C. RESISTOR 1/4W 2. 7K	1	
C1109	ECKD2H103PU	C, CAPACITOR 500V 0.01U	- 1		R1119	EROS2CKG2701	M. RESISTOR 1/4W 2.7K	í	
C1110	ECA0GXLV331	E. CAPACITOR 4V 330U	. 1		R1121	ERDS2TJ271	C. RESISTOR 1/4W 270	1	
01111		C. CAPACITOR 50V 1000P	1		R1122	ERDS2TJ561	C, RESISTOR 1/4W 560	1	
C1112	-	P. CAPACITOR 50V 8200P	1						
		P. CAPACITOR 630V 0.1U	Ť		⚠ T1101	VLT0915	TRANSFORMER	1	
			1		211101	-			
	ECATVXLV470		+		741101 00	TP00351-51	FUSE CLIP	2	
C1116	EEUFA1A332	E. CAPACITOR 10V 3300U						1	
C1117	EEUFA1A102	E. CAPACITOR 10V 1000U	1		ZA1103	V\$04205	SHIELD CASE	_	
C1118	ECQV1H104JM	P. CAPACITOR 50V 0.1U	1		ZAT104, 05	-	SHIELD CASE	2	
C1 121	EEUFA1E222	E. CAPACITOR 25V 2200U	1		ZA1107	VSC4259	HEAT SINK	1	
C1 122	EEUFA1E102B	E. CAPACITOR 25V 1000U	1		ZA1108	VMP4717	AC PLATE	1	
C1123	ECKD2H101KB	C. CAPACITOR 500V 100P	1		ZA1109	VHD0418	SCREW	1	
C1124	EEUFA1A332	E. CAPACITOR 10V 3300U	1		ZA1110, 11	XTN3+8G	SCREW	2	
C1125		E. CAPACITOR 10V 1000U	1		ZA1112	XTN3+10G	SCREW	1	
C1128	ECKD2H101KB		╌						
01127		E. CAPACITOR 50V 82U	_		A ZB1101, 03	VNZ2212	CAPACITOR COVER	2	
C1128	ECKF1H103ZF		-	 	A Z81104	VMZ2812	BARRIER	1	14000
			-		24 -01 104			ı,	
01129	ECKD2H101K8		-						-
		E. CAPACITOR 35V 150U	-						
01131	ECKF1H103ZF		-		<u> </u>	-			
	ECKD2H101KB		-					\vdash	
C1133	EEUFA0J561	E. CAPACITOR 6.3V 560U	1						
01134, 35	ECQB1H103JF	P. CAPACITOR SOV 0. 01U	2					L	
01102	S1WBA60S	DIODE	1			1			
01103	AP01C	DIODE	1				i		
D1104	WA185	DIODE	1			1	<u> </u>		
		DIODE	1						1
D1105	MA700		-			 			
D1106	MA4200-H	DIODE	1					\vdash	-
D1107	13\$254	D100E	1				-	-	-
01108, 09	ERA15-08	010DE	2					-	
D1110	RD100E	DIODE	1					L.	
D1121	RL42P	9100E	1					Ľ	
D1122	F5KQ60	DIODE	1	1					
	ERA22-04	DIODE	2						
01120,24	11EQS04	DIODE	1						
01125	I I LWOV4	DIGOE	+-;			· · · · ·	-	-	<u> </u>
D1125	EEVC 40	1111111	1 (1	ļ			\vdash	
D1126	F5KQ40		-		1	1	1		
_	F5KQ40 MA7300B	DIODE	1					\vdash	
D1126	-		-						
D1126	-		-						

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